>sp|O15392|Cytoplasm Nucleus Chromosome centromere spindle kinetochore Midbody

MGAPTLPPAWQPFLKDHRISTFKNWPFLEGCACTPERMAEAGFIHCPTENEPDLAQCFFC

FKELEGWEPDDDPIEEHKKHSSGCAFLSVKKQFEELTLGEFLKLDRERAKNKIAKETNNK

KKEFEETAKKVRRAIEQLAAMD

>sp|Q9QWK4|Secreted Cytoplasm

MAPLFNLMLAILSIFVGSCFSESPTKVQLVGGAHRCEGRVEVEHNGQWGTVCDDGWDRRD

VAVVCRELNCGAVIQTPRGASYQPPASEQRVLIQGVDCNGTEDTLAQCELNYDVFDCSHE

EDAGAQCENPDSDLLFIPEDVRLVDGPGHCQGRVEVLHQSQWSTVCKAGWNLQVSKVVCR

QLGCGRALLTYGSCNKNTQGKGPIWMGKMSCSGQEANLRSCLLSRLENNCTHGEDTWMEC

EDPFELKLVGGDTPCSGRLEVLHKGSWGSVCDDNWGEKEDQVVCKQLGCGKSLHPSPKTR

KIYGPGAGRIWLDDVNCSGKEQSLEFCRHRLWGYHDCTHKEDVEVICTDFDV

>sp|Q8N163| Nucelus Cytoplasm

MSQFKRQRINPLPGGRNFSGTASTSLLGPPPGLLTPPVATELSQNARHLQGGEKQRVFTG

IVTSLHDYFGVVDEEVFFQLSVVKGRLPQLGEKVLVKAAYNPGQAVPWNAVKVQTLSNQP

LLKSPAPPLLHVAALGQKQGILGAQPQLIFQPHRIPPLFPQKPLSLFQTSHTLHLSHLNR

FPARGPHGRLDQGRSDDYDSKKRKQRAGGEPWGAKKPRHDLPPYRVHLTPYTVDSPICDF

LELQRRYRSLLVPSDFLSVHLSWLSAFPLSQPFSLHHPSRIQVSSEKEAAPDAGAEPITA

DSDPAYSSKVLLLSSPGLEELYRCCMLFVDDMAEPRETPEHPLKQIKFLLGRKEEEAVLV

GGEWSPSLDGLDPQADPQVLVRTAIRCAQAQTGIDLSGCTKWWRFAEFQYLQPGPPRRLQ

TVVVYLPDVWTIMPTLEEWEALCQQKAAEAAPPTQEAQGETEPTEQAPDALEQAADTSRR

NAETPEATTQQETDTDLPEAPPPPLEPAVIARPGCVNLSLHGIVEDRRPKERISFEVMVL

AELFLEMLQRDFGYRVYKMLLSLPEKVVSPPEPEKEEAAKEEATKEEEAIKEEVVKEPKD

EAQNEGPATESEAPLKEDGLLPKPLSSGGEEEEKPRGEASEDLCEMALDPELLLLRDDGE

EEFAGAKLEDSEVRSVASNQSEMEFSSLQDMPKELDPSAVLPLDCLLAFVFFDANWCGYL

HRRDLERILLTLGIRLSAEQAKQLVSRVVTQNICQYRSLQYSRQEGLDGGLPEEVLFGNL

DLLPPPGKSTKPGAAPTEHKALVSHNGSLINVGSLLQRAEQQDSGRLYLENKIHTLELKL

EESHNRFSATEVTNKTLAAEMQELRVRLAEAEETARTAERQKSQLQRLLQELRRRLTPLQ

LEIQRVVEKADSWVEKEEPAPSN

>sp|Q80Y75|flagellum cilium

MGLDYYAVLQVTRNSEDAQIKKAYRKLALKNHPLKSSEPGAPEIFKQIAEAYDVLSDPVK

RGIYDKFGEEGLKGGIPLEFGSQTPWTTGYVFHGNPDKVFHEFFGGDNPFSEFFDAEGND

IDLNFGGLWGRGVQKQDPPIERDLYLSLEDLFFGCTKKIKISRRVLNEDRYSSTIKDKIL

TIDVRPGWRQGTRITFEKEGDQGPNIIPADIIFIVKEKLHPRFRREHDNLFFVYPIPLGK

ALTCCTVEVKTLDDRLLNIPINDIVHPKYFKIVPGEGMPLPENPSKKGDLFIFFDIQFPT

RLTPQKKQMLRQALLT

>sp|P59910| flagellum

MGQDYYSVLGITRNSEDAQIKQAYRRLALKHHPLKSNEPSSAEIFRQIAEAYDVLSDPMK

RGIYDKFGEEGLKGGIPLEFGSQTPWTTGYVFHGKPEKVFHEFFGGNNPFSEFFDAEGSE

VDLNFGGLQGRGVKKQDPQVERDLYLSLEDLFFGCTKKIKISRRVLNEDGYSSTIKDKIL

TIDVKPGWRQGTRITFEKEGDQGPNIIPADIIFIVKEKLHPRFRRENDNLFFVNPIPLGK

ALTCCTVEVRTLDDRLLNIPINDIIHPKYFKKVPGEGMPLPEDPTKKGDLFIFFDIQFPT

RLTPQKKQMLRQALLT

>sp|O35425| Mitochondrion membrane; pass membrane protein; Endoplasmic reticulum membrane; Single-pass membrane protein; Early endosome membrane; Recycling endosome membrane; Nucleus outer membrane; cis-Golgi network membrane; trans-Golgi network membrane ;

MEVLRRSSVFAAEIMDAFDRSPTDKELVAQAKALGREYVHARLLRAGLSWSAPERASPAP

GGRLAEVCTVLLRLGDELEQIRPSVYRNVARQLHIPLQSEPVVTDAFLAVAGHIFSAGIT

WGKVVSLYSVAAGLAVDCVRQAQPAMVHALVDCLGEFVRKTLATWLRRRGGWTDVLKCVV

STDPGFRSHWLVATLCSFGRFLKAAFFLLLPER

>sp|Q62881| Cytoplasm; Mitochondrion; Sarcoplasmic reticulum;

MGNMQERPSETIDRERKRLVETLQADSGLLLDALVARGVLTGPEYEALDALPDAERRVRR

LLLLVQSKGEAACQELLRCAQQTVSMPDPAWDWQHVGPGYRDRSYDPPCPGHWTPEAPSS

GTTCPGLPRASEEEEIGGPEDSEAVQPRTPEEPELEAEATKGDEPDLEQEMEPEPEPEVE

PEPEPEPEPEPEPEPEPEPEPEPEREPDFQEGDESEGCENT

>sp|O60936| nucleolus; cytoplasm; Mitochondrion;

MGNAQERPSETIDRERKRLVETLQADSGLLLDALLARGVLTGPEYEALDALPDAERRVRR

LLLLVQGKGEAACQELLRCAQRTAGAPDPAWDWQHVGPGYRDRSYDPPCPGHWTPEAPGS

GTTCPGLPRASDPDEAGGPEGSEAVQSGTPEEPEPELEAEASKEAEPEPEPEPELEPEAE

AEPEPELEPEPDPEPEPDFEERDESEDS

>sp|P48023|Cell membrane; cytoplasmic vesicle lumen; Lysosome lumen; membrane protein; secreted; nucleus;

MQQPFNYPYPQIYWVDSSASSPWAPPGTVLPCPTSVPRRPGQRRPPPPPPPPPLPPPPPP

PPLPPLPLPPLKKRGNHSTGLCLLVMFFMVLVALVGLGLGMFQLFHLQKELAELRESTSQ

MHTASSLEKQIGHPSPPPEKKELRKVAHLTGKSNSRSMPLEWEDTYGIVLLSGVKYKKGG

LVINETGLYFVYSKVYFRGQSCNNLPLSHKVYMRNSKYPQDLVMMEGKMMSYCTTGQMWA

RSSYLGAVFNLTSADHLYVNVSELSLVNFEESQTFFGLYKL

>sp|Q9C000|cytosol; Cytoplasm; Inflammasome; Nucleus;

MAGGAWGRLACYLEFLKKEELKEFQLLLANKAHSRSSSGETPAQPEKTSGMEVASYLVAQ

YGEQRAWDLALHTWEQMGLRSLCAQAQEGAGHSPSFPYSPSEPHLGSPSQPTSTAVLMPW

IHELPAGCTQGSERRVLRQLPDTSGRRWREISASLLYQALPSSPDHESPSQESPNAPTST

AVLGSWGSPPQPSLAPREQEAPGTQWPLDETSGIYYTEIREREREKSEKGRPPWAAVVGT

PPQAHTSLQPHHHPWEPSVRESLCSTWPWKNEDFNQKFTQLLLLQRPHPRSQDPLVKRSW

PDYVEENRGHLIEIRDLFGPGLDTQEPRIVILQGAAGIGKSTLARQVKEAWGRGQLYGDR

FQHVFYFSCRELAQSKVVSLAELIGKDGTATPAPIRQILSRPERLLFILDGVDEPGWVLQ

EPSSELCLHWSQPQPADALLGSLLGKTILPEASFLITARTTALQNLIPSLEQARWVEVLG

FSESSRKEYFYRYFTDERQAIRAFRLVKSNKELWALCLVPWVSWLACTCLMQQMKRKEKL

TLTSKTTTTLCLHYLAQALQAQPLGPQLRDLCSLAAEGIWQKKTLFSPDDLRKHGLDGAI

ISTFLKMGILQEHPIPLSYSFIHLCFQEFFAAMSYVLEDEKGRGKHSNCIIDLEKTLEAY

GIHGLFGASTTRFLLGLLSDEGEREMENIFHCRLSQGRNLMQWVPSLQLLLQPHSLESLH

CLYETRNKTFLTQVMAHFEEMGMCVETDMELLVCTFCIKFSRHVKKLQLIEGRQHRSTWS

PTMVVLFRWVPVTDAYWQILFSVLKVTRNLKELDLSGNSLSHSAVKSLCKTLRRPRCLLE

TLRLAGCGLTAEDCKDLAFGLRANQTLTELDLSFNVLTDAGAKHLCQRLRQPSCKLQRLQ

LVSCGLTSDCCQDLASVLSASPSLKELDLQQNNLDDVGVRLLCEGLRHPACKLIRLGLDQ

TTLSDEMRQELRALEQEKPQLLIFSRRKPSVMTPTEGLDTGEMSNSTSSLKRQRLGSERA

ASHVAQANLKLLDVSKIFPIAEIAEESSPEVVPVELLCVPSPASQGDLHTKPLGTDDDFW

GPTGPVATEVVDKEKNLYRVHFPVAGSYRWPNTGLCFVMREAVTVEIEFCVWDQFLGEIN

PQHSWMVAGPLLDIKAEPGAVEAVHLPHFVALQGGHVDTSLFQMAHFKEEGMLLEKPARV

ELHHIVLENPSFSPLGVLLKMIHNALRFIPVTSVVLLYHRVHPEEVTFHLYLIPSDCSIR

KAIDDLEMKFQFVRIHKPPPLTPLYMGCRYTVSGSGSGMLEILPKELELCYRSPGEDQLF

SEFYVGHLGSGIRLQVKDKKDETLVWEALVKPGDLMPATTLIPPARIAVPSPLDAPQLLH

FVDQYREQLIARVTSVEVVLDKLHGQVLSQEQYERVLAENTRPSQMRKLFSLSQSWDRKC

KDGLYQALKETHPHLIMELWEKGSKKGLLPLSS

>sp|P50591| Cell membrane; Secreted; membrane protein

MAMMEVQGGPSLGQTCVLIVIFTVLLQSLCVAVTYVYFTNELKQMQDKYSKSGIACFLKE

DDSYWDPNDEESMNSPCWQVKWQLRQLVRKMILRTSEETISTVQEKQQNISPLVRERGPQ

RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG

FYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY

SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG

>sp|Q9NQ88|Cytoplasm; Nucleus; Mitochondrion

MARFALTVVRHGETRFNKEKIIQGQGVDEPLSETGFKQAAAAGIFLNNVKFTHAFSSDLM

RTKQTMHGILERSKFCKDMTVKYDSRLRERKYGVVEGKALSELRAMAKAAREECPVFTPP

GGETLDQVKMRGIDFFEFLCQLILKEADQKEQFSQGSPSNCLETSLAEIFPLGKNHSSKV

NSDSGIPGLAASVLVVSHGAYMRSLFDYFLTDLKCSLPATLSRSELMSVTPNTGMSLFII

NFEEGREVKPTVQCICMNLQDHLNGLTETR

>sp|E3SCZ8|Cytoplasm; Nucleus; centromere; spindle; midbody；

MGAPSLPRAWQLYLKEHRVSTFKNWPFVNGCSCTPERMAEAGFIHCPTENEPDLAQCFFC

FKELEGWEPDDNPIEEHKKHSSGCAFLSVKKQFEELTLSEFLKLDKERAKNKIAKETNSK

QKEFEETAAKVRQAMEQLAALE

>sp|O43236|flagellum; mitochondrion; nuclesus;

MDRSLGWQGNSVPEDRTEAGIKRFLEDTTDDGELSKFVKDFSGNASCHPPEAKTWASRPQ

VPEPRPQAPDLYDDDLEFRPPSRPQSSDNQQYFCAPAPLSPSARPRSPWGKLDPYDSSED

DKEYVGFATLPNQVHRKSVKKGFDFTLMVAGESGLGKSTLVNSLFLTDLYRDRKLLGAEE

RIMQTVEITKHAVDIEEKGVRLRLTIVDTPGFGDAVNNTECWKPVAEYIDQQFEQYFRDE

SGLNRKNIQDNRVHCCLYFISPFGHGLRPLDVEFMKALHQRVNIVPILAKADTLTPPEVD

HKKRKIREEIEHFGIKIYQFPDCDSDEDEDFKLQDQALKESIPFAVIGSNTVVEARGRRV

RGRLYPWGIVEVENPGHCDFVKLRTMLVRTHMQDLKDVTRETHYENYRAQCIQSMTRLVV

KERNRNKLTRESGTDFPIPAVPPGTDPETEKLIREKDEELRRMQEMLHKIQKQMKENY

>sp|O75340| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [COPII-coated vesicle membrane](https://www.uniprot.org/locations/SL-0078); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Endosome](https://www.uniprot.org/locations/SL-0101)

MAAYSYRPGPGAGPGPAAGAALPDQSFLWNVFQRVDKDRSGVISDTELQQALSNGTWTPF

NPVTVRSIISMFDRENKAGVNFSEFTGVWKYITDWQNVFRTYDRDNSGMIDKNELKQALS

GFGYRLSDQFHDILIRKFDRQGRGQIAFDDFIQGCIVLQRLTDIFRRYDTDQDGWIQVSY

EQYLSMVFSIV

>sp|O43866| secreted;

MALLFSLILAICTRPGFLASPSGVRLVGGLHRCEGRVEVEQKGQWGTVCDDGWDIKDVAV

LCRELGCGAASGTPSGILYEPPAEKEQKVLIQSVSCTGTEDTLAQCEQEEVYDCSHDEDA

GASCENPESSFSPVPEGVRLADGPGHCKGRVEVKHQNQWYTVCQTGWSLRAAKVVCRQLG

CGRAVLTQKRCNKHAYGRKPIWLSQMSCSGREATLQDCPSGPWGKNTCNHDEDTWVECED

PFDLRLVGGDNLCSGRLEVLHKGVWGSVCDDNWGEKEDQVVCKQLGCGKSLSPSFRDRKC

YGPGVGRIWLDNVRCSGEEQSLEQCQHRFWGFHDCTHQEDVAVICSG

>sp|Q8WV24|Cytoplasm; cytoplasmic vesicle; nucleolus;

MRRAPAAERLLELGFPPRCGRQEPPFPLGVTRGWGRWPIQKRREGARPVPFSERSQEDGR

GPAARSSGTLWRIRTRLSLCRDPEPPPPLCLLRVSLLCALRAGGRGSRWGEDGARLLLLP

PARAAGNGEAEPSGGPSYAGRMLESSGCKALKEGVLEKRSDGLLQLWKKKCCILTEEGLL

LIPPKQLQHQQQQQQQQQQQQQQQPGQGPAEPSQPSGPAVASLEPPVKLKELHFSNMKTV

DCVERKGKYMYFTVVMAEGKEIDFRCPQDQGWNAEITLQMVQYKNRQAILAVKSTRQKQQ

HLVQQQPPSQPQPQPQLQPQPQPQPQPQPQPQSQPQPQPQPKPQPQQLHPYPHPHPHPHS

HPHSHPHPHPHPHPHQIPHPHPQPHSQPHGHRLLRSTSNSA

>sp|Q9H8W4|Early endosome membrane; [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095)

MVDRLANSEANTRRISIVENCFGAAGQPLTIPGRVLIGEGVLTKLCRKKPKARQFFLFND

ILVYGNIVIQKKKYNKQHIIPLENVTIDSIKDEGDLRNGWLIKTPTKSFAVYAATATEKS

EWMNHINKCVTDLLSKSGKTPSNEHAAVWVPDSEATVCMRCQKAKFTPVNRRHHCRKCGF

VVCGPCSEKRFLLPSQSSKPVRICDFCYDLLSAGDMATCQPARSDSYSQSLKSPLNDMSD

DDDDDDSSD

>sp|P41958| [Perikaryon](https://www.uniprot.org/locations/SL-0197); [synapse](https://www.uniprot.org/locations/SL-0258); [Endomembrane system](https://www.uniprot.org/locations/SL-0147); [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171); [membrane protein](https://www.uniprot.org/locations/SL-9903)

MTRCTADNSLTNPAYRRRTMATGEMKEFLGIKGTEPTDFGINSDAQDLPSPSRQASTRRM

SIGESIDGKINDWEEPRLDIEGFVVDYFTHRIRQNGMEWFGAPGLPCGVQPEHEMMRVMG

TIFEKKHAENFETFCEQLLAVPRISFSLYQDVVRTVGNAQTDQCPMSYGRLIGLISFGGF

VAAKMMESVELQGQVRNLFVYTSLFIKTRIRNNWKEHNRSWDDFMTLGKQMKEDYERAEA

EKVGRRKQNRRWSMIGAGVTAGAIGIVGVVVCGRMMFSLK

>sp|G3V7W1| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097);

MAAYSYRPGPGAGPGPAAGAALPDQSFLWNVFQRVDKDRSGVISDNELQQALSNGTWTPF

NPVTVRSIISMFDRENKAGVNFSEFTGVWKYITDWQNVFRTYDRDNSGMIDKHELKQALS

GFGYRLSDQFHDILIRKFDRQGRGQIAFDDFIQGCIVLQRLTDIFRRYDTDQDGWIQVSY

EQYLSMVFSIV

>sp|P55060| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MELSDANLQTLTEYLKKTLDPDPAIRRPAEKFLESVEGNQNYPLLLLTLLEKSQDNVIKV

CASVTFKNYIKRNWRIVEDEPNKICEADRVAIKANIVHLMLSSPEQIQKQLSDAISIIGR

EDFPQKWPDLLTEMVNRFQSGDFHVINGVLRTAHSLFKRYRHEFKSNELWTEIKLVLDAF

ALPLTNLFKATIELCSTHANDASALRILFSSLILISKLFYSLNFQDLPEFFEDNMETWMN

NFHTLLTLDNKLLQTDDEEEAGLLELLKSQICDNAALYAQKYDEEFQRYLPRFVTAIWNL

LVTTGQEVKYDLLVSNAIQFLASVCERPHYKNLFEDQNTLTSICEKVIVPNMEFRAADEE

AFEDNSEEYIRRDLEGSDIDTRRRAACDLVRGLCKFFEGPVTGIFSGYVNSMLQEYAKNP

SVNWKHKDAAIYLVTSLASKAQTQKHGITQANELVNLTEFFVNHILPDLKSANVNEFPVL

KADGIKYIMIFRNQVPKEHLLVSIPLLINHLQAESIVVHTYAAHALERLFTMRGPNNATL

FTAAEIAPFVEILLTNLFKALTLPGSSENEYIMKAIMRSFSLLQEAIIPYIPTLITQLTQ

KLLAVSKNPSKPHFNHYMFEAICLSIRITCKANPAAVVNFEEALFLVFTEILQNDVQEFI

PYVFQVMSLLLETHKNDIPSSYMALFPHLLQPVLWERTGNIPALVRLLQAFLERGSNTIA

SAAADKIPGLLGVFQKLIASKANDHQGFYLLNSIIEHMPPESVDQYRKQIFILLFQRLQN

SKTTKFIKSFLVFINLYCIKYGALALQEIFDGIQPKMFGMVLEKIIIPEIQKVSGNVEKK

ICAVGITKLLTECPPMMDTEYTKLWTPLLQSLIGLFELPEDDTIPDEEHFIDIEDTPGYQ

TAFSQLAFAGKKEHDPVGQMVNNPKIHLAQSLHKLSTACPGRVPSMVSTSLNAEALQYLQ

GYLQAASVTLL

>sp|Q21029| [axon](https://www.uniprot.org/locations/SL-0279); [Perikaryon](https://www.uniprot.org/locations/SL-0197)

MSQNNKRQVQHNHEMSNDVCPLPLPPRGAPPPTAYHASRMAATSSSTNGSFEKSAIPGNA

RKLHVVIVIDQKVQKNLRVREMALKDVQKVADTLNVNLTRIDFDKLDFGETETLDLFYNA

DVALVDVTVTHQQPSLCYHIGVRESMGQSYNMILTYWSPDPEYHIMDALKKTHAHLPMIV

YIHHQDSNQLQSYDKNNNDDDSKPPFARTNVPAKTITFQHRMKQVLKSVQVEASAHSREK

FMSDLRKAREITDGDQKNDYLDKMRTRLDNPDVLHPDTVSLMMLSYRDNQNYGGMIRLVD

DLKRIPDCLKVVDTPVIRYQYAFALNRRNKDGDRDLALNTVLSLVEGTTENEEKNGPLSP

DVVCLAGRIYKDKFIASNYEDRESLNSAIEWYRRAFEMSPLEYSGINLTTLLRASGEHFE

NNLEMQQIAVVLNSLLGRKGALQNLMEYWDVATYFEVSVLAENYQKACEAALMMVKLKPP

VWYLKSTMENIKLINRCAATISPIEKEKQQFLFWSEFFMEATEADTDISCPRYPVLILEL

NKEFTPSYLTLNNEEGTVILSHVLENSQQKKIHQSELRGIHRWHFARNNIKAVTESKRDD

RQLFLYVHENSDDFNLLFPTKAHCKKAYDDMKSMADVADGNYQGRVLSNPDNEKIRFEYE

LSNSNERVVLGKGTYGTVYAARDMDTQRQIVVKEIEVKYDEEVQPLMEEISLHSTLCHAN

IVQYLGCDLVGKDGSNDHFLIFMEHVPGGSLSSLLRSKWGPMNENAMNYYGKQILEGLKY

LHELKIVHRDIKGDNVLVNTYSGVCKISDFGTCKRLAGLNPVTETFTGTLQYMAPEVIDH

GQRGYGAPADIWSFGCTMVEMATGRPPFVEMQNPQAAMFRVGMFKTHPPIPTEITEKCRN

FIKSCFLPEACDRPSAKDLLQDPFIYHNHHSISRTRSGSINKKPATKIELNHDKEKKEKS

KNQREMLRSTSHIGGMGVVERSPPTPEPMSATLTAGFSHVHSQTVSNALSTAREEKKLHL

KIDHARNRTFSSSSPVPDGQSSAGTNMSHPGFQLSQPSSPIVDDTNHPHLIVSPISLNTM

GSPLSSAALLNRTISDESSNSSSRFFMLQKDSERRRSLGQFMQDYKDLIIDSWSTLLIKQ

SDTELVVTVYMLEMLLDGMRDFLLKKDNTKMQKMIDDIRGLLDYDTAKIGQINLALYHFS

DSIQPVLRRLDIKPHWMFALSNLITSAVQCAISILSPDLSLLLHAQDNLPSTSSIVAIRN

SSLSEGEALIESRPPSREERVREDRKELRTLQEENEILIERLLQVERELNAQLKSGITRA

NRFRDFAMYRNTYPPFRTPPVAHAPPTPPFSASCGAQPSGTFTNQPPSFASIKPIAQKII

MPPGTENNYQVTRVQEELVSWLRGLEIDERSIALIASEAYTKSDMMDFVTRDELLSIGVG

GGSSCRIMRAIGEVRERQRRQPVFLSPMRSRDDSLDDYHSSSADDMYTGAAAETSSGN

>sp|Q8C006| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MEPGPSVSPGPSRSFKEELLCAVCYDPFRDAVTLRCGHNFCRRCVSGCWEVQTTPSCPVC

KERAVPGELRTNHTLNNLVETLLREEAEGARWTGRRSPRPCRAHRAPLTLFCLEDKELLC

CACQADARHQEHRVQPIKDTAQDFRAKCKNMEHVLREKAKAFWALRRTYEAIAKHNEVQT

TWLEGRIRDEFDKLRDFLRVEEQATLDAMKEESRKKHLQAEEKMKQLAEQTEALAREIER

LQMEMKEDDMTFLMKHKSRKRRLFCTVEPAPLQPGLLMDACKYLESLQYRVWKKMLGSVE

SVPFSLDPNTAAGWLKVADDLTSVINHGYRVQVENPERFSSAPCLLGSQVFSKGSHSWEV

DVGGLPTWRVGVVRVQAHAQAQAQADVGGEGHSHSCYHDTRSGFWYLCRTQGVDGDHCMT

SDTATAPLVQAMPRRLRVELECEEGELSFYDSERHCHLYTFHAHFGEVRPYFYLGASRGD

GPPEPLRICHLRVSIKEELDI

>sp|Q9JK95| [desmosome](https://www.uniprot.org/locations/SL-0092); [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909);

MLRCGLACERCRWILPLLLLSAIAFDIIALAGRGWLQSSNHIQTSSLWWRCFDEGGGSGS

YDDGCQSLMEYAWGRAAAATLFCGFIILCICFILSFFALCGPQMLVFLRVIGGLLALAAI

FQIISLVIYPVKYTQTFRLHDNPAVNYIYNWAYGFGWAATIILIGCSFFFCCLPNYEDDL

LGAAKPRYFYPPA

>sp|O60667| [Membrane](https://www.uniprot.org/locations/SL-0162); [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904); [Secreted](https://www.uniprot.org/locations/SL-0243)

MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGT

VVSTTNFIKAEYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTL

NVHSEYEPSWEEQPMPETPKWFHLPYLFQMPAYASSSKFVTRVTTPAQRGKVPPVHHSSP

TTQITHRPRVSRASSVAGDKPRTFLPSTTASKISALEGLLKPQTPSYNHHTRLHRQRALD

YGSQSGREGQGFHILIPTILGLFLLALLGLVVKRAVERRKALSRRARRLAVRMRALESSQ

RPRGSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGPGAPLPPAPLQVSESPWLHAPSL

KTSCEYVSLYHQPAAMMEDSDSDDYINVPA

>sp|Q8BZA9| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MPRFALTVIRHGETRLNKEKIIQGQGVDAPLSETGFRQAAAAGQFLSNVQFTHAFSSDLT

RTKQTIHGILEKSRFCKDMAVKYDSRLRERMYGVAEGKPLSELRAMAKAAGEECPMFTPP

GGETVEQVKMRGKDFFDFICQLILGKAGQRESVLPGAPGSGLESSLAEVFPVGKHGSLGA

NPKGGTLGLAASILVVSHGAYMRSLFGYFLSDLRCSLPGARDKLELSSITPNTGISVFII

DCEEARQPSIQCVCMNLQEHLNGVTEKQH

>sp|Q95YL4| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Membrane](https://www.uniprot.org/locations/SL-0162); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MYGYGYTPAVVAPTVMSFSFVPPQAFQQCWFYSLYTQIQQAQLYEMQSWFMRVDANRSGT

ISSGELQYLNIGGTPLGIETATKLIKVFDHNKNGQIDFYEYAALHQFINNLYRCFVANDR

NFSGTIDANEIYNALITSGFQLPFPTVNYLFLKLSPSGYGLLFTQFLNLCATVALTRSLF

EWNDPMRTGVVHLNLAQLYDIIALV

>sp|Q95YL5| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Membrane](https://www.uniprot.org/locations/SL-0162); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MMSYGYQQTPIVAPPAKFQALWFYSFYTQIQHQQLHEMSAWFRSIDKDRSGSISAMELQH

LHVGYGPLGIETATKLIRVFDVDKSGQIDFYEYAALHQFINILYANFLANDRNRSGTIDA

QEIHRALGTSGFNLPFNTVNLLFLKASPRGYGLKFSDFLGLCASIAIARSLFEAHDRMRT

GVAHLNVNHIYDIISLV

>sp|Q8N2Z9| [Nucleus](https://www.uniprot.org/locations/SL-0191); [centromere](https://www.uniprot.org/locations/SL-0047); [kinetochore](https://www.uniprot.org/locations/SL-0149)

MEEEAETEEQQRFSYQQRLKAAVHYTVGCLCEEVALDKEMQFSKQTIAAISELTFRQCEN

FAKDLEMFARHAKRTTINTEDVKLLARRSNSLLKYITDKSEEIAQINLERKAQKKKKSED

GSKNSRQPAEAGVVESEN

>sp|P69180| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381);

MFPKINTIDPYISLRLFEVKPKYVGYSSIDARNQSFAIHGIKNYEKFSNAGFFYTSPTEI

TCYCCGMKFCNWLYEKHPLQVHGFWSRNCGFMRATLGIIGLKKMIDSYNDYYNNEVFVKH

KNRVYTHKRLEDMGFSKPFMRFILANAFIPPYRKYIHKIILNERYFTFKFAAHLLSFHKV

NLDNQTTYCMTCGIEPIKKDENFCNACKTLNYKHYKTLNFSVKL

>sp|O69622| [Secreted](https://www.uniprot.org/locations/SL-0243); [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)

MVARHRAQAAADLASLAAAARLPSGLAAACARATLVARAMRVEHAQCRVVDLDVVVTVEV

AVAFAGVATATARAGPAKVPTTPG

>sp|P42573| [Nucleus membrane](https://www.uniprot.org/locations/SL-0182); [Perikaryon](https://www.uniprot.org/locations/SL-0197); [synapse](https://www.uniprot.org/locations/SL-0258); [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [perinuclear region](https://www.uniprot.org/locations/SL-0198)

MMRQDRRSLLERNIMMFSSHLKVDEILEVLIAKQVLNSDNGDMINSCGTVREKRREIVKA

VQRRGDVAFDAFYDALRSTGHEGLAEVLEPLARSVDSNAVEFECPMSPASHRRSRALSPA

GYTSPTRVHRDSVSSVSSFTSYQDIYSRARSRSRSRALHSSDRHNYSSPPVNAFPSQPSS

ANSSFTGCSSLGYSSSRNRSFSKASGPTQYIFHEEDMNFVDAPTISRVFDEKTMYRNFSS

PRGMCLIINNEHFEQMPTRNGTKADKDNLTNLFRCMGYTVICKDNLTGRGMLLTIRDFAK

HESHGDSAILVILSHGEENVIIGVDDIPISTHEIYDLLNAANAPRLANKPKIVFVQACRG

ERRDNGFPVLDSVDGVPAFLRRGWDNRDGPLFNFLGCVRPQVQQVWRKKPSQADILIAYA

TTAQYVSWRNSARGSWFIQAVCEVFSTHAKDMDVVELLTEVNKKVACGFQTSQGSNILKQ

MPEMTSRLLKKFYFWPEARNSAV

>sp|Q9UMX3| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095); [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172); [Membrane](https://www.uniprot.org/locations/SL-0162); [Membrane](https://www.uniprot.org/locations/SL-0162); [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MEVLRRSSVFAAEIMDAFDRSPTDKELVAQAKALGREYVHARLLRAGLSWSAPERAAPVP

GRLAEVCAVLLRLGDELEMIRPSVYRNVARQLHISLQSEPVVTDAFLAVAGHIFSAGITW

GKVVSLYAVAAGLAVDCVRQAQPAMVHALVDCLGEFVRKTLATWLRRRGGWTDVLKCVVS

TDPGLRSHWLVAALCSFGRFLKAAFFVLLPER

>sp|Q96EB6| [PML body](https://www.uniprot.org/locations/SL-0465); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MADEAALALQPGGSPSAAGADREAASSPAGEPLRKRPRRDGPGLERSPGEPGGAAPEREV

PAAARGCPGAAAAALWREAEAEAAAAGGEQEAQATAAAGEGDNGPGLQGPSREPPLADNL

YDEDDDDEGEEEEEAAAAAIGYRDNLLFGDEIITNGFHSCESDEEDRASHASSSDWTPRP

RIGPYTFVQQHLMIGTDPRTILKDLLPETIPPPELDDMTLWQIVINILSEPPKRKKRKDI

NTIEDAVKLLQECKKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVDFPDLPDPQAMFDIE

YFRKDPRPFFKFAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNIDTLEQVAGIQRII

QCHGSFATASCLICKYKVDCEAVRGDIFNQVVPRCPRCPADEPLAIMKPEIVFFGENLPE

QFHRAMKYDKDEVDLLIVIGSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVELLG

DCDVIINELCHRLGGEYAKLCCNPVKLSEITEKPPRTQKELAYLSELPPTPLHVSEDSSS

PERTSPPDSSVIVTLLDQAAKSNDDLDVSESKGCMEEKPQEVQTSRNVESIAEQMENPDL

KNVGSSTGEKNERTSVAGTVRKCWPNRVAKEQISRRLDGNQYLFLPPNRYIFHGAEVYSD

SEDDVLSSSSCGSNSDSGTCQSPSLEEPMEDESEIEEFYNGLEDEPDVPERAGGAGFGTD

GDDQEAINEAISVKQEVTDMNYPSNKS

>sp|P04637| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [PML body](https://www.uniprot.org/locations/SL-0465); [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095); [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170);

MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDPGP

DEAPRMPEAAPPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK

SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTEVVRRCPHHE

RCSDSDGLAPPQHLIRVEGNLRVEYLDDRNTFRHSVVVPYEPPEVGSDCTTIHYNYMCNS

SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGRDRRTEEENLRKKGEPHHELP

PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG

GSRAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD

>sp|Q923E4| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MADEVALALQAAGSPSAAAAMEAASQPADEPLRKRPRRDGPGLGRSPGEPSAAVAPAAAG

CEAASAAAPAALWREAAGAAASAEREAPATAVAGDGDNGSGLRREPRAADDFDDDEGEEE

DEAAAAAAAAAIGYRDNLLLTDGLLTNGFHSCESDDDDRTSHASSSDWTPRPRIGPYTFV

QQHLMIGTDPRTILKDLLPETIPPPELDDMTLWQIVINILSEPPKRKKRKDINTIEDAVK

LLQECKKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVDFPDLPDPQAMFDIEYFRKDPRP

FFKFAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNIDTLEQVAGIQRILQCHGSFAT

ASCLICKYKVDCEAVRGDIFNQVVPRCPRCPADEPLAIMKPEIVFFGENLPEQFHRAMKY

DKDEVDLLIVIGSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVELLGDCDVIINE

LCHRLGGEYAKLCCNPVKLSEITEKPPRPQKELVHLSELPPTPLHISEDSSSPERTVPQD

SSVIATLVDQATNNNVNDLEVSESSCVEEKPQEVQTSRNVENINVENPDFKAVGSSTADK

NERTSVAETVRKCWPNRLAKEQISKRLEGNQYLFVPPNRYIFHGAEVYSDSEDDVLSSSS

CGSNSDSGTCQSPSLEEPLEDESEIEEFYNGLEDDTERPECAGGSGFGADGGDQEVVNEA

IATRQELTDVNYPSDKS

>sp|O69623| [Secreted](https://www.uniprot.org/locations/SL-0243); [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)

MEAALAIATLVLVLVLCLAGVTAVSMQVRCIDAAREAARLAARGDVRSATDVARSIAPRA

ALVQVHRDGEFVVATVTAHSNLLPTLDIAARAISVAEPGSTAARPPCLPSRWSRCCCASP

VRVHI

>sp|Q9UER7| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [nucleoplasm](https://www.uniprot.org/locations/SL-0190); [PML body](https://www.uniprot.org/locations/SL-0465); [nucleolus](https://www.uniprot.org/locations/SL-0188); [centromere](https://www.uniprot.org/locations/SL-0047); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MATANSIIVLDDDDEDEAAAQPGPSHPLPNAASPGAEAPSSSEPHGARGSSSSGGKKCYK

LENEKLFEEFLELCKMQTADHPEVVPFLYNRQQRAHSLFLASAEFCNILSRVLSRARSRP

AKLYVYINELCTVLKAHSAKKKLNLAPAATTSNEPSGNNPPTHLSLDPTNAENTASQSPR

TRGSRRQIQRLEQLLALYVAEIRRLQEKELDLSELDDPDSAYLQEARLKRKLIRLFGRLC

ELKDCSSLTGRVIEQRIPYRGTRYPEVNRRIERLINKPGPDTFPDYGDVLRAVEKAAARH

SLGLPRQQLQLMAQDAFRDVGIRLQERRHLDLIYNFGCHLTDDYRPGVDPALSDPVLARR

LRENRSLAMSRLDEVISKYAMLQDKSEEGERKKRRARLQGTSSHSADTPEASLDSGEGPS

GMASQGCPSASRAETDDEDDEESDEEEEEEEEEEEEEATDSEEEEDLEQMQEGQEDDEEE

DEEEEAAAGKDGDKSPMSSLQISNEKNLEPGKQISRSSGEQQNKGRIVSPSLLSEEPLAP

SSIDAESNGEQPEELTLEEESPVSQLFELEIEALPLDTPSSVETDISSSRKQSEEPFTTV

LENGAGMVSSTSFNGGVSPHNWGDSGPPCKKSRKEKKQTGSGPLGNSYVERQRSVHEKNG

KKICTLPSPPSPLASLAPVADSSTRVDSPSHGLVTSSLCIPSPARLSQTPHSQPPRPGTC

KTSVATQCDPEEIIVLSDSD

>sp|P9WNK7| [Secreted](https://www.uniprot.org/locations/SL-0243); [cell wall](https://www.uniprot.org/locations/SL-0041); [Host cell surface](https://www.uniprot.org/locations/SL-0378); [Host cytoplasm](https://www.uniprot.org/locations/SL-0381); [Host endoplasmic reticulum](https://www.uniprot.org/locations/SL-0388); [Host cell membrane](https://www.uniprot.org/locations/SL-0375)

MTEQQWNFAGIEAAASAIQGNVTSIHSLLDEGKQSLTKLAAAWGGSGSEAYQGVQQKWDA

TATELNNALQNLARTISEAGQAMASTEGNVTGMFA

>sp|P23396| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [nucleolus](https://www.uniprot.org/locations/SL-0188); [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [spindle](https://www.uniprot.org/locations/SL-0251)

MAVQISKKRKFVADGIFKAELNEFLTRELAEDGYSGVEVRVTPTRTEIIILATRTQNVLG

EKGRRIRELTAVVQKRFGFPEGSVELYAEKVATRGLCAIAQAESLRYKLLGGLAVRRACY

GVLRFIMESGAKGCEVVVSGKLRGQRAKSMKFVDGLMIHSGDPVNYYVDTAVRHVLLRQG

VLGIKVKIMLPWDPTGKIGPKKPLPDHVSIVEPKDEILPTTPISEQKGGKPEPPAMPQPV

PTA

>sp|P9WK61| [Cell membrane](https://www.uniprot.org/locations/SL-0039);  [Lipidanchor](https://www.uniprot.org/locations/SL-9901); [cell wall](https://www.uniprot.org/locations/SL-0041); [Cell surface](https://www.uniprot.org/locations/SL-0310); [Secreted](https://www.uniprot.org/locations/SL-0243); [Bacterial extracellular vesicle](https://www.uniprot.org/locations/SL-0489); [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)

MKRGLTVAVAGAAILVAGLSGCSSNKSTTGSGETTTAAGTTASPGAASGPKVVIDGKDQN

VTGSVVCTTAAGNVNIAIGGAATGIAAVLTDGNPPEVKSVGLGNVNGVTLGYTSGTGQGN

ASATKDGSHYKITGTATGVDMANPMSPVNKSFEIEVTCS

>sp|P31749| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MSDVAIVKEGWLHKRGEYIKTWRPRYFLLKNDGTFIGYKERPQDVDQREAPLNNFSVAQC

QLMKTERPRPNTFIIRCLQWTTVIERTFHVETPEEREEWTTAIQTVADGLKKQEEEEMDF

RSGSPSDNSGAEEMEVSLAKPKHRVTMNEFEYLKLLGKGTFGKVILVKEKATGRYYAMKI

LKKEVIVAKDEVAHTLTENRVLQNSRHPFLTALKYSFQTHDRLCFVMEYANGGELFFHLS

RERVFSEDRARFYGAEIVSALDYLHSEKNVVYRDLKLENLMLDKDGHIKITDFGLCKEGI

KDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFYNQDHEKLFEL

ILMEEIRFPRTLGPEAKSLLSGLLKKDPKQRLGGGSEDAKEIMQHRFFAGIVWQHVYEKK

LSPPFKPQVTSETDTRYFDEEFTAQMITITPPDQDDSMECVDSERRPHFPQFSYSASGTA

>sp|Q13609| Nucleus; [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095); [Secreted](https://www.uniprot.org/locations/SL-0243)

MSRELAPLLLLLLSIHSALAMRICSFNVRSFGESKQEDKNAMDVIVKVIKRCDIILVMEI

KDSNNRICPILMEKLNRNSRRGITYNYVISSRLGRNTYKEQYAFLYKEKLVSVKRSYHYH

DYQDGDADVFSREPFVVWFQSPHTAVKDFVIIPLHTTPETSVKEIDELVEVYTDVKHRWK

AENFIFMGDFNAGCSYVPKKAWKNIRLRTDPRFVWLIGDQEDTTVKKSTNCAYDRIVLRG

QEIVSSVVPKSNSVFDFQKAYKLTEEEALDVSDHFPVEFKLQSSRAFTNSKKSVTLRKKT

KSKRS

>sp|P11862| [stress fiber](https://www.uniprot.org/locations/SL-0501); [Membrane](https://www.uniprot.org/locations/SL-0162);  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MMCTALSPKVRSGPGLSDMHQYSQWLASRHEANLLPMKEDLALWLTNLLGKEITAETFME

KLDNGALLCQLAATVQEKFKESMDANKPAKTLPLKKIPCKASAPSGSFFARDNTANFLSW

CRDLGVDETCLFESEGLVLHKQPREVCLCLLELGRIAARYGVEPPGLIKLEKEIEQEETL

SAPSPSPSPSSKSSGKKSTGNLLDDAVKRISEDPPCKCPTKFCVERLSQGRYRVGEKILF

IRMLHNKHVMVRVGGGWETFAGYLLKHDPCRMLQISRVDGKTSPVQSKSPTLKDMNPDNY

LVVSATYKAKKEIK

>sp|P05067| [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [Membrane](https://www.uniprot.org/locations/SL-0162); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [Perikaryon](https://www.uniprot.org/locations/SL-0197); [growth cone](https://www.uniprot.org/locations/SL-0288); [clathrin-coated pit](https://www.uniprot.org/locations/SL-0069); [Early endosome](https://www.uniprot.org/locations/SL-0094); [Cytoplasmic vesicle](https://www.uniprot.org/locations/SL-0088)

MLPGLALLLLAAWTARALEVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWDSDPSGTK

TCIDTKEGILQYCQEVYPELQITNVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVG

EFVSDALLVPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDYGMLLPCGIDKFR

GVEFVCCPLAEESDNVDSADAEEDDSDVWWGGADTDYADGSEDKVVEVAEEEEVAEVEEE

EADDDEDDEDGDEVEEEAEEPYEEATERTTSIATTTTTTTESVEEVVREVCSEQAETGPC

RAMISRWYFDVTEGKCAPFFYGGCGGNRNNFDTEEYCMAVCGSAMSQSLLKTTQEPLARD

PVKLPTTAASTPDAVDKYLETPGDENEHAHFQKAKERLEAKHRERMSQVMREWEEAERQA

KNLPKADKKAVIQHFQEKVESLEQEAANERQQLVETHMARVEAMLNDRRRLALENYITAL

QAVPPRPRHVFNMLKKYVRAEQKDRQHTLKHFEHVRMVDPKKAAQIRSQVMTHLRVIYER

MNQSLSLLYNVPAVAEEIQDEVDELLQKEQNYSDDVLANMISEPRISYGNDALMPSLTET

KTTVELLPVNGEFSLDDLQPWHSFGADSVPANTENEVEPVDARPAADRGLTTRPGSGLTN

IKTEEISEVKMDAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIATVIVITL

VMLKKKQYTSIHHGVVEVDAAVTPEERHLSKMQQNGYENPTYKFFEQMQN

>sp|P03406| [Host cell membrane](https://www.uniprot.org/locations/SL-0375);  [Lipid-anchor](https://www.uniprot.org/locations/SL-9901);  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910); [Virion](https://www.uniprot.org/locations/SL-0274); [Secreted](https://www.uniprot.org/locations/SL-0243); [Host Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0426)

MGGKWSKSSVVGWPTVRERMRRAEPAADGVGAASRDLEKHGAITSSNTAATNAACAWLEA

QEEEEVGFPVTPQVPLRPMTYKAAVDLSHFLKEKGGLEGLIHSQRRQDILDLWIYHTQGY

FPDWQNYTPGPGVRYPLTFGWCYKLVPVEPDKVEEANKGENTSLLHPVSLHGMDDPEREV

LEWRFDSRLAFHHVARELHPEYFKNC

>sp|P30429| [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [perinuclear region](https://www.uniprot.org/locations/SL-0198)

MLCEIECRALSTAHTRLIHDFEPRDALTYLEGKNIFTEDHSELISKMSTRLERIANFLRI

YRRQASELGPLIDFFNYNNQSHLADFLEDYIDFAINEPDLLRPVVIAPQFSRQMLDRKLL

LGNVPKQMTCYIREYHVDRVIKKLDEMCDLDSFFLFLHGRAGSGKSVIASQALSKSDQLI

GINYDSIVWLKDSGTAPKSTFDLFTDILLMLARVVSDTDDSHSITDFINRVLSRSEDDLL

NFPSVEHVTSVVLKRMICNALIDRPNTLFVFDDVVQEETIRWAQELRLRCLVTTRDVEIS

NAASQTCEFIEVTSLEIDECYDFLEAYGMPMPVGEKEEDVLNKTIELSSGNPATLMMFFK

SCEPKTFEKMAQLNNKLESRGLVGVECITPYSYKSLAMALQRCVEVLSDEDRSALAFAVV

MPPGVDIPVKLWSCVIPVDICSNEEEQLDDEVADRLKRLSKRGALLSGKRMPVLTFKIDH

IIHMFLKHVVDAQTIANGISILEQRLLEIGNNNVSVPERHIPSHFQKFRRSSASEMYPKT

TEETVIRPEDFPKFMQLHQKFYDSLKNFACC

>sp|P62908| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); nucleolus

MAVQISKKRKFVADGIFKAELNEFLTRELAEDGYSGVEVRVTPTRTEIIILATRTQNVLG

EKGRRIRELTAVVQKRFGFPEGSVELYAEKVATRGLCAIAQAESLRYKLLGGLAVRRACY

GVLRFIMESGAKGCEVVVSGKLRGQRAKSMKFVDGLMIHSGDPVNYYVDTAVRHVLLRQG

VLGIKVKIMLPWDPSGKIGPKKPLPDHVSIVEPKDEILPTTPISEQKGGKPEPPAMPQPV

PTA

>sp|O60216| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Chromosome](https://www.uniprot.org/locations/SL-0468); [centromere](https://www.uniprot.org/locations/SL-0047)

MFYAHFVLSKRGPLAKIWLAAHWDKKLTKAHVFECNLESSVESIISPKVKMALRTSGHLL

LGVVRIYHRKAKYLLADCNEAFIKIKMAFRPGVVDLPEENREAAYNAITLPEEFHDFDQP

LPDLDDIDVAQQFSLNQSRVEEITMREEVGNISILQENDFGDFGMDDREIMREGSAFEDD

DMLVSTTTSNLLLESEQSTSNLNEKINHLEYEDQYKDDNFGEGNDGGILDDKLISNNDGG

IFDDPPALSEAGVMLPEQPAHDDMDEDDNVSMGGPDSPDSVDPVEPMPTMTDQTTLVPNE

EEAFALEPIDITVKETKAKRKRKLIVDSVKELDSKTIRAQLSDYSDIVTTLDLAPPTKKL

MMWKETGGVEKLFSLPAQPLWNNRLLKLFTRCLTPLVPEDLRKRRKGGEADNLDEFLKEF

ENPEVPREDQQQQHQQRDVIDEPIIEEPSRLQESVMEASRTNIDESAMPPPPPQGVKRKA

GQIDPEPVMPPQQVEQMEIPPVELPPEEPPNICQLIPELELLPEKEKEKEKEKEDDEEEE

DEDASGGDQDQEERRWNKRTQQMLHGLQRALAKTGAESISLLELCRNTNRKQAAAKFYSF

LVLKKQQAIELTQEEPYSDIIATPGPRFHII

>sp|Q14457| [trans-Golgi network membrane](https://www.uniprot.org/locations/SL-0267); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Endosome membrane](https://www.uniprot.org/locations/SL-0100);  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171);  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [autophagosome](https://www.uniprot.org/locations/SL-0023); [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGETQEE

ETNSGEEPFIETPRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLSRRLKVTG

DLFDIMSGQTDVDHPLCEECTDTLLDQLDTQLNVTENECQNYKRCLEILEQMNEDDSEQL

QMELKELALEEERLIQELEDVEKNRKIVAENLEKVQAEAERLDQEEAQYQREYSEFKRQQ

LELDDELKSVENQMRYAQTQLDKLKKTNVFNATFHIWHSGQFGTINNFRLGRLPSVPVEW

NEINAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHSYLESLTDKSKELPLYCSGGLRFF

WDNKFDHAMVAFLDCVQQFKEEVEKGETRFCLPYRMDVEKGKIEDTGGSGGSYSIKTQFN

SEEQWTKALKFMLTNLKWGLAWVSSQFYNK

>sp|P04601| [Host cell membrane](https://www.uniprot.org/locations/SL-0375);  [Lipid-anchor](https://www.uniprot.org/locations/SL-9901);  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910); [Virion](https://www.uniprot.org/locations/SL-0274); [Secreted](https://www.uniprot.org/locations/SL-0243); [Host Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0426)

MGGKWSKSSVIGWPTVRERMRRAEPAADRVGAASRDLEKHGAITSSNTAATNAACAWLEA

QEEEEVGFPVTPQVPLRPMTYKAAVDLSHFLKEKGGLEGLIHSQRRQDILDLWIYHTQGY

FPDWQNYTPGPGVRYPLTFGWCYKLVPVEPDKIEEANKGENTSLLHPVSLHGMDDPEREV

LEWRFDSRLAFHHVARELHPEYFKNC

>sp|Q9XWD6| [Cell membrane](https://www.uniprot.org/locations/SL-0039); [membrane protein](https://www.uniprot.org/locations/SL-9905); [phagosome membrane](https://www.uniprot.org/locations/SL-0205); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)

MRLILLVLLATWQVVVDTRAPTFPDKLTQQLQQQGTTEPQGDHVCTVKTIVDDYELKKVI

HTVVYNDTEQCLNPLTGFQCTVEKRGQKASYQRQLVKKEKYVKQCCDGYYQTKDHFCLPD

CNPPCKKGKCIEPGKCECDPGYGGKYCASSCSVGTWGLGCSKSCDCENGANCDPELGTCI

CTSGFQGERCEKPCPDNKWGPNCVKSCPCQNGGKCNKEGKCVCSDGWGGEFCLNKCEEGK

FGAECKFECNCQNGATCDNTNGKCICKSGYHGALCENECSVGFFGSGCTQKCDCLNNQNC

DSSSGECKCIGWTGKHCDIGCSRGRFGLQCKQNCTCPGLEFSDSNASCDAKTGQCQCESG

YKGPKCDERKCDAEQYGADCSKTCTCVRENTLMCAPNTGFCRCKPGFYGDNCELACSKDS

YGPNCEKQAMCDWNHASECNPETGSCVCKPGRTGKNCSEPCPLDFYGPNCAHQCQCNQRG

VGCDGADGKCQCDRGWTGHRCEHHCPADTFGANCEKRCKCPKGIGCDPITGECTCPAGLQ

GANCDIGCPEGSYGPGCKLHCKCVNGKCDKETGECTCQPGFFGSDCSTTCSKGKYGESCE

LSCPCSDASCSKQTGKCLCPLGTKGVSCDQKCDPNTFGFLCQETVTPSPCASTDPKNGVC

LSCPPGSSGIHCEHNCPAGSYGDGCQQVCSCADGHGCDPTTGECICEPGYHGKTCSEKCP

DGKYGYGCALDCPKCASGSTCDHINGLCICPAGLEGALCTRPCSAGFWGNGCRQVCRCTS

EYKQCNAQTGECSCPAGFQGDRCDKPCEDGYYGPDCIKKCKCQGTATSSCNRVSGACHCH

PGFTGEFCHALCPESTFGLKCSKECPKDGCGDGYECDAAIGCCHVDQMSCGKAKQEFEAL

NGAGRSTGLTWFFVLLIVALCGGLGLIALFYRNKYQKEKDPDMPTVSFHKAPNNDEGREF

QNPLYSRQSVFPDSDAFSSENNGNHQGGPPNGLLTLEEEELENKKIHGRSAAGRGNNDYA

SLDEVAGEGSSSSASASASRRGLNSSEQSRRPLLEEHDEEEFDEPHENSISPAHAVTTSN

HNENPYADISSPDPVTQNSANKKRAQDNLYT

>sp|O88764| [Nucleus](https://www.uniprot.org/locations/SL-0191); [PML body](https://www.uniprot.org/locations/SL-0465); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [microtubule organizing center](https://www.uniprot.org/locations/SL-0484); [centromere](https://www.uniprot.org/locations/SL-0047); [cytoskeleton](https://www.uniprot.org/locations/SL-0090)

MSTFRQEDVEDHYEMGEELGSGQFAIVRKCQQKGTGMEYAAKFIKKRRLPSSRRGVSREE

IEREVSILREIRHPNIITLHDVFENKTDVVLILELVSGGELFDFLAEKESLTEDEATQFL

KQILDGVHYLHSKRIAHFDLKPENIMLLDKHAASPRIKLIDFGIAHRIEAGSEFKNIFGT

PEFVAPEIVNYEPLGLEADMWSIGVITYILLSGASPFLGETKQETLTNISAVNYDFDEEY

FSSTSELAKDFIRRLLVKDPKRRMTIAQSLEHSWIKVRRREDGARKPERRRLRAARLREY

SLKSHSSMPRNTSYASFERFSRVLEDVAAAEQGLRELQRGRRQCRERVCALRVAAEQREA

RCRDGSAGLGRDLRRLRTELGRTEALRTRAQEEARAALLGAGGLKRRLCRLENRYDALAA

QVAAEVQFVRDLVRALEQERLQAECGVR

>sp|O75807| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903);  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910); [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172);  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903);  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MAPGQAPHQATPWRDAHPFFLLSPVMGLLSRAWSRLRGLGPLEPWLVEAVKGAALVEAGL

EGEARTPLAIPHTPWGRRPEEEAEDSGGPGEDRETLGLKTSSSLPEAWGLLDDDDGMYGE

REATSVPRGQGSQFADGQRAPLSPSLLIRTLQGSDKNPGEEKAEEEGVAEEEGVNKFSYP

PSHRECCPAVEEEDDEEAVKKEAHRTSTSALSPGSKPSTWVSCPGEEENQATEDKRTERS

KGARKTSVSPRSSGSDPRSWEYRSGEASEEKEEKAHKETGKGEAAPGPQSSAPAQRPQLK

SWWCQPSDEEEGEVKALGAAEKDGEAECPPCIPPPSAFLKAWVYWPGEDTEEEEDEEEDE

DSDSGSDEEEGEAEASSSTPATGVFLKSWVYQPGEDTEEEEDEDSDTGSAEDEREAETSA

STPPASAFLKAWVYRPGEDTEEEEDEDVDSEDKEDDSEAALGEAESDPHPSHPDQRAHFR

GWGYRPGKETEEEEAAEDWGEAEPCPFRVAIYVPGEKPPPPWAPPRLPLRLQRRLKRPET

PTHDPDPETPLKARKVRFSEKVTVHFLAVWAGPAQAARQGPWEQLARDRSRFARRITQAQ

EELSPCLTPAARARAWARLRNPPLAPIPALTQTLPSSSVPSSPVQTTPLSQAVATPSRSS

AAAAAALDLSGRRG

>sp|P40305| [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909); [Nucleus inner membrane](https://www.uniprot.org/locations/SL-0179); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909); [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MEASALTSSAVTSVAKVVRVASGSAVVLPLARIATVVIGGVVAMAAVPMVLSAMGFTAAG

IASSSIAAKMMSAAAIANGGGVASGSLVATLQSLGATGLSGLTKFILGSIGSAIAAVIAR

FY

>sp|P09429| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Secreted](https://www.uniprot.org/locations/SL-0243); [Cell membrane](https://www.uniprot.org/locations/SL-0039)

MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKF

EDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGL

SIGDVAKKLGEMWNNTAADDKQPYEKKAAKLKEKYEKDIAAYRAKGKPDAAKKGVVKAEK

SKKKKEEEEDEEDEEDEEEEEDEEDEDEEEDDDDE

>sp|Q5D1E7| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Rough endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0237); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MSDPCGTKPVQESNPTMSLWSLEDRHSSQGRPQPDQDPVAKEAPTSELQMKVDFFRKLGY

SSSEIHSVLQKLGVQADTNTVLGELVKHGSATERECQALTAPSPQPPLVPRGGSTPKPST

LEPSLPEEDREGSDLRPVVIDGSNVAMSHGNKEVFSCRGILLAVNWFLERGHTDITVFVP

SWRKEQPRPDVPITDQHILRELEKKKILVFTPSRRVGGKRVVCYDDRFIVKLAFESDGVV

VSNDTYRDLQGERQEWKRFIEERLLMYSFVNDKFMPPDDPLGRHGPSLDNFLRKKPLPSE

HRKQPCPYGKKCTYGIKCRFFHPERPSRPQRSVADELRANALLSPPRTPVKDKSSQRPSP

ASQSSSVSLEAEPGSLDGKKLGARSSPGPHREGSPQTCAPAGRSLPVSGGSFGPTEWLAH

TQDSLPYTSQECLDSGIGSLESQMSELWGVRGGSPGESGPTRGPYAGYHSYGSKVPAAPS

FSPFRPAMGAGHFSVPTDYVPPPPTYPSREYWSEPYPLPPPTPVLQEPQRPSPGAGGGPW

GRVGDLAKERAGVYTKLCGVFPPHLVEAVMRRFPQLLDPQQLAAEILSYKSQHLSE

>sp|Q12981| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Single-pass type IV membrane protein](https://www.uniprot.org/locations/SL-9908); [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171); [Single-pass type IV membrane protein](https://www.uniprot.org/locations/SL-9908)

MAAPQDVHVRICNQEIVKFDLEVKALIQDIRDCSGPLSALTELNTKVKEKFQQLRHRIQD

LEQLAKEQDKESEKQLLLQEVENHKKQMLSNQASWRKANLTCKIAIDNLEKAELLQGGDL

LRQRKTTKESLAQTSSTITESLMGISRMMAQQVQQSEEAMQSLVTSSRTILDANEEFKSM

SGTIQLGRKLITKYNRRELTDKLLIFLALALFLATVLYIVKKRLFPFL

>sp|O08722| [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [Membrane raft](https://www.uniprot.org/locations/SL-0370)

MRARSGARGALLLALLLCWDPTPSLAGIDSGGQALPDSFPSAPAEQLPHFLLEPEDAYIV

KNKPVELHCRAFPATQIYFKCNGEWVSQKGHVTQESLDEATGLRIREVQIEVSRQQVEEL

FGLEDYWCQCVAWSSSGTTKSRRAYIRIAYLRKNFDQEPLAKEVPLDHEVLLQCRPPEGV

PVAEVEWLKNEDVIDPAQDTNFLLTIDHNLIIRQARLSDTANYTCVAKNIVAKRRSTTAT

VIVYVNGGWSSWAEWSPCSNRCGRGWQKRTRTCTNPAPLNGGAFCEGQACQKTACTTVCP

VDGAWTEWSKWSACSTECAHWRSRECMAPPPQNGGRDCSGTLLDSKNCTDGLCVLNQRTL

NDPKSRPLEPSGDVALYAGLVVAVFVVLAVLMAVGVIVYRRNCRDFDTDITDSSAALTGG

FHPVNFKTARPSNPQLLHPSAPPDLTASAGIYRGPVYALQDSADKIPMTNSPLLDPLPSL

KIKVYDSSTIGSGAGLADGADLLGVLPPGTYPGDFSRDTHFLHLRSASLGSQHLLGLPRD

PSSSVSGTFGCLGGRLTIPGTGVSLLVPNGAIPQGKFYDLYLRINKTESTLPLSEGSQTV

LSPSVTCGPTGLLLCRPVVLTVPHCAEVIAGDWIFQLKTQAHQGHWEEVVTLDEETLNTP

CYCQLEAKSCHILLDQLGTYVFTGESYSRSAVKRLQLAIFAPALCTSLEYSLRVYCLEDT

PAALKEVLELERTLGGYLVEEPKTLLFKDSYHNLRLSLHDIPHAHWRSKLLAKYQEIPFY

HVWNGSQKALHCTFTLERHSLASTEFTCKVCVRQVEGEGQIFQLHTTLAETPAGSLDALC

SAPGNAATTQLGPYAFKIPLSIRQKICNSLDAPNSRGNDWRLLAQKLSMDRYLNYFATKA

SPTGVILDLWEARQQDDGDLNSLASALEEMGKSEMLVAMTTDGDC

>sp|Q9TZQ3| [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)

MEANKREIVDFGGLRSYFFPNLAHYITKNDEELFNNTSQANKLAAFVLGASKDAPGDEDI

LEMILPNDANAAVIAAGMDVCLLLGDKFRPKFDAAAEKLSGLGHAHDLVSVIDDDKKLGM

LARKAKLKKTEDAKILQALLKVIAIDDAAEKFVELTELVSQLDLDFDVYVLTKILGLISE

ETSDEVDIIRDNVVNAFDSCKPLLKQLMLDGPKSEPADPFISLLMDPLEESVGKVVNHIA

QLFEEASKNEGDESLVLRSQLGYQLFFLIVRSLADGKREVSKKILSGIPTSVRAEVFPGL

QRSVYKSAVFLGNHIIQVLLGSKKSFEDWDVVGVAKDLESAWKRRAIAELIKKFQVSILE

QCFDKPVPLIPQSPLNNDAVIDNVNKALQFALWLTEFYGSENETEALGELRFLDSTSKNL

LVDSFKKFVQGINSKTHVTRIVESLEKCCLSDTPSGRKSNVQPSTSQQQDSAYTKEEMTT

VHNTYSVNTKAQVLNGLSDTNSSGLLVDSKDSLSLQEISCDEVDSSTLLSSSRNIGEGVT

VKAVDPVPEKVNDAQQQQTVNEIEMASDANQDTSSSASPEVAPSFSTDGWDSPTKSVALP

PGMQQIDEEETTVADKDSTPQPQARAETAWGSGDATPMPLPAPTNQYKVSGFGEAKVAKG

FGQFAPTSSAYGGGGGRGGYGGGDRGGRGGYGGDRGGRGGYGGGDRGGRGGYGGDRGRGG

YGGRGGRGGF

>sp|G5EBV6| [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)

MEANKRQIVEVDGIKSYFFPHLAHYLASNDELLVNNIAQANKLAAFVLGATDKRPSNEEI

AEMILPNDSSAYVLAAGMDVCLILGDDFRPKFDSGAEKLSQLGQAHDLAPIIDDEKKISM

LARKTKLKKSNDAKILQVLLKVLGAEEAEEKFVELSELSSALDLDFDVYVLAKLLGFASE

ELQEEIEIIRDNVTDAFEACKPLLKKLMIEGPKIDSVDPFTQLLLTPQEESIEKAVSHIV

ARFEEASAVEDDESLVLKSQLGYQLIFLVVRSLADGKRDASRTIQSLMPSSVRAEVFPGL

QRSVFKSAVFLASHIIQVFLGSMKSFEDWAFVGLAEDLESTWRRRAIAELLKKFRISVLE

QCFSQPIPLLPQSELNNETVIENVNNALQFALWITEFYGSESEKKSLNQLQFLSPKSKNL

LVDSFKKFAQGLDSKDHVNRIIESLEKSSSSEPSATAKQTTTSNGPTTVSTAAQVVTVEK

MPFSRQTIPCEGTDLANVLNSAKIIGESVTVAAHDVIPEKLNAEKNDNTPSTASPVQFSS

DGWDSPTKSVALPPKISTLEEEQEEDTTITKVSPQPQERTGTAWGSGDATPVPLATPVNE

YKVSGFGAAPVASGFGQFASSNGTSGRGSYGGGRGGDRGGRGAYGGDRGRGGSGDGSRGY

RGGDRGGRGSYGEGSRGYQGGRAGFFGGSRGGS

>sp|P41743| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Membrane](https://www.uniprot.org/locations/SL-0162); [Endosome](https://www.uniprot.org/locations/SL-0101); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MPTQRDSSTMSHTVAGGGSGDHSHQVRVKAYYRGDIMITHFEPSISFEGLCNEVRDMCSF

DNEQLFTMKWIDEEGDPCTVSSQLELEEAFRLYELNKDSELLIHVFPCVPERPGMPCPGE

DKSIYRRGARRWRKLYCANGHTFQAKRFNRRAHCAICTDRIWGLGRQGYKCINCKLLVHK

KCHKLVTIECGRHSLPQEPVMPMDQSSMHSDHAQTVIPYNPSSHESLDQVGEEKEAMNTR

ESGKASSSLGLQDFDLLRVIGRGSYAKVLLVRLKKTDRIYAMKVVKKELVNDDEDIDWVQ

TEKHVFEQASNHPFLVGLHSCFQTESRLFFVIEYVNGGDLMFHMQRQRKLPEEHARFYSA

EISLALNYLHERGIIYRDLKLDNVLLDSEGHIKLTDYGMCKEGLRPGDTTSTFCGTPNYI

APEILRGEDYGFSVDWWALGVLMFEMMAGRSPFDIVGSSDNPDQNTEDYLFQVILEKQIR

IPRSLSVKAASVLKSFLNKDPKERLGCHPQTGFADIQGHPFFRNVDWDMMEQKQVVPPFK

PNISGEFGLDNFDSQFTNEPVQLTPDDDDIVRKIDQSEFEGFEYINPLLMSAEECV

>sp|O43524| [cytosol](https://www.uniprot.org/locations/SL-0091); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170); [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MAEAPASPAPLSPLEVELDPEFEPQSRPRSCTWPLQRPELQASPAKPSGETAADSMIPEE

EDDEDDEDGGGRAGSAMAIGGGGGSGTLGSGLLLEDSARVLAPGGQDPGSGPATAAGGLS

GGTQALLQPQQPLPPPQPGAAGGSGQPRKCSSRRNAWGNLSYADLITRAIESSPDKRLTL

SQIYEWMVRCVPYFKDKGDSNSSAGWKNSIRHNLSLHSRFMRVQNEGTGKSSWWIINPDG

GKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTAPESADDSPSQLSKWPGSPTSRSS

DELDAWTDFRSRTNSNASTVSGRLSPIMASTELDEVQDDDAPLSPMLYSSSASLSPSVSK

PCTVELPRLTDMAGTMNLNDGLTENLMDDLLDNITLPPSQPSPTGGLMQRSSSFPYTTKG

SGLGSPTSSFNSTVFGPSSLNSLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLS

HSDVMMTQSDPLMSQASTAVSAQNSRRNVMLRNDPMMSFAAQPNQGSLVNQNLLHHQHQT

QGALGGSRALSNSVSNMGLSESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTSANLP

VMGHEKFPSDLDLDMFNGSLECDMESIIRSELMDADGLDFNFDSLISTQNVVGLNVGNFT

GAKQASSQSWVPG

>sp|O08721| [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [Membrane raft](https://www.uniprot.org/locations/SL-0370); [Cell projection](https://www.uniprot.org/locations/SL-0280)

MAVRPGLWPVLLGIVLAAWLRGSGAQQSATVANPVPGANPDLLPHFLVEPEDVYIVKNKP

VLLVCKAVPATQIFFKCNGEWVRQVDHVIERSTDSSSGLPTMEVRINVSRQQVEKVFGLE

EYWCQCVAWSSSGTTKSQKAYIRIAYLRKNFEQEPLAKEVSLEQGIVLPCRPPEGIPPAE

VEWLRNEDLVDPSLDPNVYITREHSLVVRQARLADTANYTCVAKNIVARRRSTSAAVIVY

VNGGWSTWTEWSVCSASCGRGWQKRSRSCTNPAPLNGGAFCEGQNVQKTACATLCPVDGS

WSSWSKWSACGLDCTHWRSRECSDPAPRNGGEECRGADLDTRNCTSDLCLHTASCPEDVA

LYIGLVAVAVCLFLLLLALGLIYCRKKEGLDSDVADSSILTSGFQPVSIKPSKADNPHLL

TIQPDLSTTTTTYQGSLCSRQDGPSPKFQLSNGHLLSPLGSGRHTLHHSSPTSEAEDFVS

RLSTQNYFRSLPRGTSNMAYGTFNFLGGRLMIPNTGISLLIPPDAIPRGKIYEIYLTLHK

PEDVRLPLAGCQTLLSPVVSCGPPGVLLTRPVILAMDHCGEPSPDSWSLRLKKQSCEGSW

EDVLHLGEESPSHLYYCQLEAGACYVFTEQLGRFALVGEALSVAATKRLRLLLFAPVACT

SLEYNIRVYCLHDTHDALKEVVQLEKQLGGQLIQEPRVLHFKDSYHNLRLSIHDVPSSLW

KSKLLVSYQEIPFYHIWNGTQQYLHCTFTLERINASTSDLACKVWVWQVEGDGQSFNINF

NITKDTRFAELLALESEGGVPALVGPSAFKIPFLIRQKIIASLDPPCSRGADWRTLAQKL

HLDSHLSFFASKPSPTAMILNLWEARHFPNGNLGQLAAAVAGLGQPDAGLFTVSEAEC

>sp|Q9H4B4| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [nucleolus](https://www.uniprot.org/locations/SL-0188); [nucleolus](https://www.uniprot.org/locations/SL-0188); [centrosome](https://www.uniprot.org/locations/SL-0048)

MEPAAGFLSPRPFQRAAAAPAPPAGPGPPPSALRGPELEMLAGLPTSDPGRLITDPRSGR

TYLKGRLLGKGGFARCYEATDTETGSAYAVKVIPQSRVAKPHQREKILNEIELHRDLQHR

HIVRFSHHFEDADNIYIFLELCSRKSLAHIWKARHTLLEPEVRYYLRQILSGLKYLHQRG

ILHRDLKLGNFFITENMELKVGDFGLAARLEPPEQRKKTICGTPNYVAPEVLLRQGHGPE

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DRPSIDQILRHDFFTKGYTPDRLPISSCVTVPDLTPPNPARSLFAKVTKSLFGRKKKSKN

HAQERDEVSGLVSGLMRTSVGHQDARPEAPAASGPAPVSLVETAPEDSSPRGTLASSGDG

FEEGLTVATVVESALCALRNCIAFMPPAEQNPAPLAQPEPLVWVSKWVDYSNKFGFGYQL

SSRRVAVLFNDGTHMALSANRKTVHYNPTSTKHFSFSVGAVPRALQPQLGILRYFASYME

QHLMKGGDLPSVEEVEVPAPPLLLQWVKTDQALLMLFSDGTVQVNFYGDHTKLILSGWEP

LLVTFVARNRSACTYLASHLRQLGCSPDLRQRLRYALRLLRDRSPA

>sp|Q16513| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus;](https://www.uniprot.org/locations/SL-0191) [lamellipodium](https://www.uniprot.org/locations/SL-0291); [cytoskeleton](https://www.uniprot.org/locations/SL-0090); [Cleavage furrow](https://www.uniprot.org/locations/SL-0467); [Midbody](https://www.uniprot.org/locations/SL-0469); [Cell junction](https://www.uniprot.org/locations/SL-0038)

MASNPERGEILLTELQGDSRSLPFSENVSAVQKLDFSDTMVQQKLDDIKDRIKREIRKEL

KIKEGAENLRKVTTDKKSLAYVDNILKKSNKKLEELHHKLQELNAHIVVSDPEDITDCPR

TPDTPNNDPRCSTSNNRLKALQKQLDIELKVKQGAENMIQMYSNGSSKDRKLHGTAQQLL

QDSKTKIEVIRMQILQAVQTNELAFDNAKPVISPLELRMEELRHHFRIEFAVAEGAKNVM

KLLGSGKVTDRKALSEAQARFNESSQKLDLLKYSLEQRLNEVPKNHPKSRIIIEELSLVA

ASPTLSPRQSMISTQNQYSTLSKPAALTGTLEVRLMGCQDILENVPGRSKATSVALPGWS

PSETRSSFMSRTSKSKSGSSRNLLKTDDLSNDVCAVLKLDNTVVGQTSWKPISNQSWDQK

FTLELDRSRELEISVYWRDWRSLCAVKFLRLEDFLDNQRHGMCLYLEPQGTLFAEVTFFN

PVIERRPKLQRQKKIFSKQQGKTFLRAPQMNINIATWGRLVRRAIPTVNHSGTFSPQAPV

PTTVPVVDVRIPQLAPPASDSTVTKLDFDLEPEPPPAPPRASSLGEIDESSELRVLDIPG

QDSETVFDIQNDRNSILPKSQSEYKPDTPQSGLEYSGIQELEDRRSQQRFQFNLQDFRCC

AVLGRGHFGKVLLAEYKNTNEMFAIKALKKGDIVARDEVDSLMCEKRIFETVNSVRHPFL

VNLFACFQTKEHVCFVMEYAAGGDLMMHIHTDVFSEPRAVFYAACVVLGLQYLHEHKIVY

RDLKLDNLLLDTEGFVKIADFGLCKEGMGYGDRTSTFCGTPEFLAPEVLTETSYTRAVDW

WGLGVLIYEMLVGESPFPGDDEEEVFDSIVNDEVRYPRFLSTEAISIMRRLLRRNPERRL

GASEKDAEDVKKHPFFRLIDWSALMDKKVKPPFIPTIRGREDVSNFDDEFTSEAPILTPP

REPRILSEEEQEMFRDFDYIADWC

>sp|O88597| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Endosome](https://www.uniprot.org/locations/SL-0101); [Endosome](https://www.uniprot.org/locations/SL-0101); [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MEGSKASSSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGETQEEE

ANSGEEPFIETRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLSRRLKVTGDL

FDIMSGQTDVDHPLCEECTDTLLDQLDTQLNVTENECQNYKRCLEILEQMNEDDSEQLQR

ELKELALEEERLIQELEDVEKNRKVVAENLEKVQAEAERLDQEEAQYQREYSEFKRQQLE

LDDELKSVENQVRYAQIQLDKLKKTNVFNATFHIWHSGQFGTINNFRLGRLPSVPVEWNE

INAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHSYLESLTDKSKELPLYCSGGLRFFWD

NKFDHAMVAFLDCVQQFKEEVEKGETRFCLPYRMDVEKGKIEDTGGSGGSYSIKTQFNSE

EQWTKALKFMLTNLKWGLAWVSSQFYNK

>sp|P69726| [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [Host nucleus](https://www.uniprot.org/locations/SL-0414); [Host extracellular space](https://www.uniprot.org/locations/SL-0425)

MEQAPEDQGPQREPHNEWTLELLEELKNEAVRHFPRIWLHGLGQHIYETYGDTWAGVEAI

IRILQQLLFIHFRIGCRHSRIGVTRQRRARNGASRS

>sp|Q96JB5| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [centrosome](https://www.uniprot.org/locations/SL-0048)

MEDHQHVPIDIQTSKLLDWLVDRRHCSLKWQSLVLTIREKINAAIQDMPESEEIAQLLSG

SYIHYFHCLRILDLLKGTEASTKNIFGRYSSQRMKDWQEIIALYEKDNTYLVELSSLLVR

NVNYEIPSLKKQIAKCQQLQQEYSRKEEECQAGAAEMREQFYHSCKQYGITGENVRGELL

ALVKDLPSQLAEIGAAAQQSLGEAIDVYQASVGFVCESPTEQVLPMLRFVQKRGNSTVYE

WRTGTEPSVVERPHLEELPEQVAEDAIDWGDFGVEAVSEGTDSGISAEAAGIDWGIFPES

DSKDPGGDGIDWGDDAVALQITVLEAGTQAPEGVARGPDALTLLEYTETRNQFLDELMEL

EIFLAQRAVELSEEADVLSVSQFQLAPAILQGQTKEKMVTMVSVLEDLIGKLTSLQLQHL

FMILASPRYVDRVTEFLQQKLKQSQLLALKKELMVQKQQEALEEQAALEPKLDLLLEKTK

ELQKLIEADISKRYSGRPVNLMGTSL

>sp|P11672| [Secreted](https://www.uniprot.org/locations/SL-0243);

MALSVMCLGLALLGVLQSQAQDSTQNLIPAPSLLTVPLQPDFRSDQFRGRWYVVGLAGNA

VQKKTEGSFTMYSTIYELQENNSYNVTSILVRDQDQGCRYWIRTFVPSSRAGQFTLGNMH

RYPQVQSYNVQVATTDYNQFAMVFFRKTSENKQYFKITLYGRTKELSPELKERFTRFAKS

LGLKDDNIIFSVPTDQCIDN

>sp|Q9Y2W7| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095); [Golgi apparatus](https://www.uniprot.org/locations/SL-0132); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MQPAKEVTKASDGSLLGDLGHTPLSKKEGIKWQRPRLSRQALMRCCLVKWILSSTAPQGS

DSSDSELELSTVRHQPEGLDQLQAQTKFTKKELQSLYRGFKNECPTGLVDEDTFKLIYAQ

FFPQGDATTYAHFLFNAFDADGNGAIHFEDFVVGLSILLRGTVHEKLKWAFNLYDINKDG

YITKEEMLAIMKSIYDMMGRHTYPILREDAPAEHVERFFEKMDRNQDGVVTIEEFLEACQ

KDENIMSSMQLFENVI

>sp|Q9XXH8| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Recycling endosome membrane](https://www.uniprot.org/locations/SL-0231); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Basolateral cell membrane](https://www.uniprot.org/locations/SL-0026);  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Apical cell membrane](https://www.uniprot.org/locations/SL-0015); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MTVSNNGMAMPSVPPKIDCSEAIQDSPKFRATVAQHAMYFNRLENRLNEMLRHITAMIDF

SKNYTNTFYKLTVSVNQLCDESFSGNPLASTTFQGLSEAYAHTVNLFRTYFDHSNVVTFT

KLSNFIKIELTKVAESRAHFENMSQSMDDALVKNASISRQKPADATEGRNALTAVGTCFA

HTTLDYVANINIAHAHKDHMILDALWTLVRESSAFFSKGHATFDEWTAADNGAIADTIQT

FAAKSKLIERKMQDVHSLVPKEMFQHPSGMPIEPDVMMEGYLYKRSSNAFKTWNRRWFQI

KDKQLLYSHRSTDLEPATIMEENLRICLVRPAPSNIDRIGCFELVTPTRIHLLQADSESL

CQDWMRALQRTILALHEGDSVDVASTSPRNKTTSMSSGVTLTSANAISPLSNAMDVTKGR

SVSDPASTYTSANTSSISTAAGFSSSTTAFEQVRRVPGNEVCADCGSPAPKWVSINLGVV

LCIECSGAHRSLGVQTSKVRSLCMDSIDNELRDVLLALGNRQVNEIFLAHLPPADSIVPP

QINEKSARPAREAWIKAKYVERRFAVAEDTRARSSATNRQEHLKHKTSIGGNSSSNGVNR

SSSYADVQDAESGGLLDADPWSADLSVPVPTASKRLSACGSDTNLDAIGSSSIDTKTVEW

DSVKEACECGDLLALMTAYAQGFDLNALHNGTTALHIATRNGQTAAVEFLLLNGAKINML

DEKLNTPLHLAAKEGHTLPVCQLLKRGADSNLANVDSKTPLDIAMECTHADIVTLFRVTI

MRNDFNADFNNPMDETVEAVISDIARRAATEKEQKKTESLKSTSDI

>sp|P04150| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191); [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [spindle](https://www.uniprot.org/locations/SL-0251); [centrosome](https://www.uniprot.org/locations/SL-0048)

MDSKESLTPGREENPSSVLAQERGDVMDFYKTLRGGATVKVSASSPSLAVASQSDSKQRR

LLVDFPKGSVSNAQQPDLSKAVSLSMGLYMGETETKVMGNDLGFPQQGQISLSSGETDLK

LLEESIANLNRSTSVPENPKSSASTAVSAAPTEKEFPKTHSDVSSEQQHLKGQTGTNGGN

VKLYTTDQSTFDILQDLEFSSGSPGKETNESPWRSDLLIDENCLLSPLAGEDDSFLLEGN

SNEDCKPLILPDTKPKIKDNGDLVLSSPSNVTLPQVKTEKEDFIELCTPGVIKQEKLGTV

YCQASFPGANIIGNKMSAISVHGVSTSGGQMYHYDMNTASLSQQQDQKPIFNVIPPIPVG

SENWNRCQGSGDDNLTSLGTLNFPGRTVFSNGYSSPSMRPDVSSPPSSSSTATTGPPPKL

CLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAGRNDCIIDKIRRKNCPACRYRK

CLQAGMNLEARKTKKKIKGIQQATTGVSQETSENPGNKTIVPATLPQLTPTLVSLLEVIE

PEVLYAGYDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQMTLLQYSW

MFLMAFALGWRSYRQSSANLLCFAPDLIINEQRMTLPCMYDQCKHMLYVSSELHRLQVSY

EEYLCMKTLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIVKREGNSSQNWQRFYQLTK

LLDSMHEVVENLLNYCFQTFLDKTMSIEFPEMLAEIITNQIPKYSNGNIKKLLFHQK

>sp|O43293| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086);

MSTFRQEDVEDHYEMGEELGSGQFAIVRKCRQKGTGKEYAAKFIKKRRLSSSRRGVSREE

IEREVNILREIRHPNIITLHDIFENKTDVVLILELVSGGELFDFLAEKESLTEDEATQFL

KQILDGVHYLHSKRIAHFDLKPENIMLLDKNVPNPRIKLIDFGIAHKIEAGNEFKNIFGT

PEFVAPEIVNYEPLGLEADMWSIGVITYILLSGASPFLGETKQETLTNISAVNYDFDEEY

FSNTSELAKDFIRRLLVKDPKRRMTIAQSLEHSWIKAIRRRNVRGEDSGRKPERRRLKTT

RLKEYTIKSHSSLPPNNSYADFERFSKVLEEAAAAEEGLRELQRSRRLCHEDVEALAAIY

EEKEAWYREESDSLGQDLRRLRQELLKTEALKRQAQEEAKGALLGTSGLKRRFSRLENRY

EALAKQVASEMRFVQDLVRALEQEKLQGVECGLR

>sp|P10124| [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281); [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281); [Golgi apparatus](https://www.uniprot.org/locations/SL-0132)

MMQKLLKCSRLVLALALILVLESSVQGYPTRRARYQWVRCNPDSNSANCLEEKGPMFELL

PGESNKIPRLRTDLFPKTRIQDLNRIFPLSEDYSGSGFGSGSGSGSGSGSGFLTEMEQDY

QLVDESDAFHDNLRSLDRNLPSDSQDLGQHGLEEDFML

>sp|Q9UPZ9| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [cilium](https://www.uniprot.org/locations/SL-0066)

MNRYTTIRQLGDGTYGSVLLGRSIESGELIAIKKMKRKFYSWEECMNLREVKSLKKLNHA

NVVKLKEVIRENDHLYFIFEYMKENLYQLIKERNKLFPESAIRNIMYQILQGLAFIHKHG

FFHRDLKPENLLCMGPELVKIADFGLAREIRSKPPYTDYVSTRWYRAPEVLLRSTNYSSP

IDVWAVGCIMAEVYTLRPLFPGASEIDTIFKICQVLGTPKKTDWPEGYQLSSAMNFRWPQ

CVPNNLKTLIPNASSEAVQLLRDMLQWDPKKRPTASQALRYPYFQVGHPLGSTTQNLQDS

EKPQKGILEKAGPPPYIKPVPPAQPPAKPHTRISSRQHQASQPPLHLTYPYKAEVSRTDH

PSHLQEDKPSPLLFPSLHNKHPQSKITAGLEHKNGEIKPKSRRRWGLISRSTKDSDDWAD

LDDLDFSPSLSRIDLKNKKRQSDDTLCRFESVLDLKPSEPVGTGNSAPTQTSYQRRDTPT

LRSAAKQHYLKHSRYLPGISIRNGILSNPGKEFIPPNPWSSSGLSGKSSGTMSVISKVNS

VGSSSTSSSGLTGNYVPSFLKKEIGSAMQRVHLAPIPDPSPGYSSLKAMRPHPGRPFFHT

QPRSTPGLIPRPPAAQPVHGRTDWASKYASRR

>sp|P63158| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Secreted](https://www.uniprot.org/locations/SL-0243); [Chromosome](https://www.uniprot.org/locations/SL-0468); [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Extracellular side](https://www.uniprot.org/locations/SL-9911); [Endosome](https://www.uniprot.org/locations/SL-0101); [Endoplasmic reticulum-Golgi intermediate compartment](https://www.uniprot.org/locations/SL-0098)

MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKF

EDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGL

SIGDVAKKLGEMWNNTAADDKQPYEKKAAKLKEKYEKDIAAYRAKGKPDAAKKGVVKAEK

SKKKKEEEDDEEDEEDEEEEEEEEDEDEEEDDDDE

>sp|Q9TU34| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909); [secretory vesicle membrane](https://www.uniprot.org/locations/SL-0245);

MSDKMSSFLHIGDICSLYAEGSTNGFISTLGLVDDRCVVQPETGDLNNPPKKFRDCLFKL

CPMNRYSAQKQFWKAAKPGANSTTDAVLLNKLHHAADLEKKQNETENRKLLGTVIQYGNV

IQLLHLKSNKYLTVNKRLPALLEKNAMRVTLDEAGNEGSWFYIQPFYKLRSIGDSVVIGD

KVVLNPVNAGQPLHASSHQLVDNPGCNEVNSVNCNTSWKIVLFMKWSDNKDDILKGGDVV

RLFHAEQEKFLTCDEHRKKQHVFLRTTGRQSATSATSSKALWEVEVVQHDPCRGGAGYWN

SLFRFKHLATGHYLAAEVDPDFEEECLEFQPSVDPDQDASRSRLRNAQEKMVYSLVSVPE

GNDISSIFELDPTTLRGGDSLVPRNSYVRLRHLCTNTWVHSTNIPIDKEEEKPVMLKIGT

SPVKEDKEAFAIVPVSPAEVRDLDFANDASKVLGSIAGKLEKGTITQNERRSVTKLLEDL

VYFVTGGTNSGQDVLEVVFSKPNRERQKLMREQNILKQIFKLLQAPFTDCGDGPMLRLEE

LGDQRHAPFRHICRLCYRVLRHSQQDYRKNQEYIAKQFGFMQKQIGYDVLAEDTITALLH

NNRKLLEKHITAAEIDTFVSLVRKNREPRFLDYLSDLCVSMNKSIPVTQELICKAVLNPT

NADILIETKLVLSRFEFEGVSTGENALEAGEDEEEVWVFWRDSNKEVRSKSVRELAQDAK

EGQKEDRDVLGYYRYQLNLFARMCLDRQYLAINEISGQLDVDLILRCMSDENLPSDLRAS

FCRLMLHMHVDRDPQEQVTPVKYARLWSEIPSEIAIDDYDSSGTSKDEIKERFAQTMEFV

EEYLRDVVCQRFPFSDKEKNKLTFEVVNLARNLIYFGFYNFSDLLRLTKILLAILDCVHV

TTIFPISKMAKGEENKGSNVMRSIHGVGELMTQVVLRGGGFLPMTPTATAPEGNVKQAEP

EKEDIMVMDTKLKIIEILQFILNVRLDYRISCLLCIFKREFDESNSQTSETSSGNSSQEG

PSNVPGALDFEHIEEQAEGIFGGSEETTPLDLDDHGGRTFLRVLLHLTMHDYPPLVSGAL

QLLFRHFSQRQEVLQAFKQVQLLVTSQDVDNYKQIKQDLDQLRSIVEKSELWVYKGQGPD

EAMDGASGENEHKKTEEGNNKSQQHESTSSYNYRVVKEILIRLSKLCVQESASVRKSRKQ

QQRLLRNMGAHAVVLELLQIPYEKAEDTMMQEIMRLAHEFLQNFCAGNHPNQALLHKHIN

LFLNPGILEAVTMQHIFMNNFQLCSEINERVVQHFVHCIETHGRNVQYIKFLQTIVKAEG

KFIKKCQDMVMAELVNSGEDVLVFYNDRASFQTLIQMMRSERDRMDENSPLMYHIHLVEL

LAVCTEGKNVYTEIKCNSLLPLDDIVRVVTHEDCIPEVKIAYINFLNHCYVDPEVEMKEI

YTSNHMWKLFENFLVDICRACNNTSDRKHADSILEKYVTEIVMSIVTTFFSSPFSDQSTT

LQTRQPVFVQLLQGVFRVYHCNWLMPSQKASVESCIRVLSDVAKSRAIAIPVDLDSQVNN

LFLKSHNLVQKTAMNWRLTARNAARRDSVLPVSRDYRNIIERLQDIVSALEDRLRPLVQA

ELSVLVDVLHRPELLFPENTDARRKCESGGFICKLIKHTKQLLEENEEKLCIKVLQTLRE

MMTKDRGYGEKGEALRQILVNRYYGNIRPSGRRESLTSFGNGPLSPGGPSKPGGGGGGSG

SSPMSRGEMSLAEVQCHLDKEGASNLVIDLIMNASSDRVFHESILLAIALLEGGNTTIQH

SFFCRLTEDKKSEKFFKVFYDRMKVAQQEIKATVTVNTSDLGNKKKDDEVDRDAPSRKKA

KEPATQITEEVRDQLLEASAATRKAFTTFRREADPDDHYQSGEGAQAAADKSKDDLEMSA

VITIMQPILRFLQLLCENHNRDLQNFLRCQNNKTNYNLVCETLQFLDCICGSTTGGLGLL

GLYINEKNVALINQTLESLTEYCQGPCHENQNCIATHESNGIDIITALILNDINPLGKKR

MDLVLELKNNASKLLLAIMESRHDSENAERILYNMRPKELVEVIKKAYMQGEVEFEDGEN

GEDGAASPRNVGHNIYILAHQLARHNKELQTMLKPGGQVDGDETLDFYAQPTGPNEIVRL

DRTMEQIVFPVPSICEFLTKESKLRIYYTTERDEQGSKINDFFLRSEDLFNEMNWQKKLR

AQPVLYWCARNMSFWSSISFNLAVLMNLLVAFFYPFKGVRGGTLEPHWSGLLWTAMLISL

AIVIALPKPHGIRALIASTILRLIFSVGLQPTLFLLGAFNVCNKIIFLMSFVGNCGTFTR

GYRAMVLDVEFLYHLLXLLICAMGLFVHEFFYSLLLFDLVYREETLLNVIKSVTRNGRSI

ILMAVLALILVYLFSIVGYLFFKDDFILEVDRLPNETSLPEASESLASEFLYSDVCRVET

GENCSSPAPKEELVPAEETEQDKEHTCETLLMCIVTVLSHGLRSGGGVGDVLRKPSKEEP

LFAARVIYDLLFFFMVIIIVLNLIFGVIIDTFADLRSEKQKKEEILKTTCFICGLERDKF

DNKTVTFEEHIKEEHNMWHYLCFIVLVKVKDSTEYTGPESYVAEMIKERNLDWFPRMRAM

SLVSSDSEGEQNELRNLQEKLESTMKLVTNLSGLLSELKDQMTDQRKQKQRMGLLGHPPH

INVNPQQPA

>sp|O95140| [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MSLLFSRCNSIVTVKKNKRHMAEVNASPLKHFVTAKKKINGIFEQLGAYIQESATFLEDT

YRNAELDPVTTEEQVLDVKGYLSKVRGISEVLARRHMKVAFFGRTSNGKSTVINAMLWDK

VLPSGIGHTTNCFLRVEGTDGHEAFLLTEGSEEKRSAKTVNQLAHALHQDKQLHAGSLVS

VMWPNSKCPLLKDDLVLMDSPGIDVTTELDSWIDKFCLDADVFVLVANSESTLMQTEKHF

FHKVSERLSRPNIFILNNRWDASASEPEYMEEVRRQHMERCTSFLVDELGVVDRSQAGDR

IFFVSAKEVLNARIQKAQGMPEGGGALAEGFQVRMFEFQNFERRFEECISQSAVKTKFEQ

HTVRAKQIAEAVRLIMDSLHMAAREQQVYCEEMREERQDRLKFIDKQLELLAQDYKLRIK

QITEEVERQVSTAMAEEIRRLSVLVDDYQMDFHPSPVVLKVYKNELHRHIEEGLGRNMSD

RCSTAITNSLQTMQQDMIDGLKPLLPVSVRSQIDMLVPRQCFSLNYDLNCDKLCADFQED

IEFHFSLGWTMLVNRFLGPKNSRRALMGYNDQVQRPIPLTPANPSMPPLPQGSLTQEEFM

VSMVTGLASLTSRTSMGILVVGGVVWKAVGWRLIALSFGLYGLLYVYERLTWTTKAKERA

FKRQFVEHASEKLQLVISYTGSNCSHQVQQELSGTFAHLCQQVDVTRENLEQEIAAMNKK

IEVLDSLQSKAKLLRNKAGWLDSELNMFTHQYLQPSR

>sp|Q8CCI5| [Nucleus](https://www.uniprot.org/locations/SL-0191); [nucleoplasm](https://www.uniprot.org/locations/SL-0190)

MTMGDKKSPTRPKRQAKPAADEGFWDCSVCTFRNSAEAFKCSICDVRKGTSTRKPRINSQ

LVAQQVAQQYATPPPPKKEKKEKVEKPDKEKPEKDKDISPSVTKKNTNKKTKPKSDILKD

PPSEANSIQSANATTKTSETNHTSRPRLKNVDRSTAQQLAVTVGNVTVIITDFKEKTRSS

STSSSTVTSSAGSEQQNQSSSGSESTDKGSSRSSTPKGDMSAVNDESF

>sp|Q8IUC6| [autophagosome](https://www.uniprot.org/locations/SL-0023);

MACTGPSLPSAFDILGAAGQDKLLYLKHKLKTPRPGCQGQDLLHAMVLLKLGQETEARIS

LEALKADAVARLVARQWAGVDSTEDPEEPPDVSWAVARLYHLLAEEKLCPASLRDVAYQE

AVRTLSSRDDHRLGELQDEARNRCGWDIAGDPGSIRTLQSNLGCLPPSSALPSGTRSLPR

PIDGVSDWSQGCSLRSTGSPASLASNLEISQSPTMPFLSLHRSPHGPSKLCDDPQASLVP

EPVPGGCQEPEEMSWPPSGEIASPPELPSSPPPGLPEVAPDATSTGLPDTPAAPETSTNY

PVECTEGSAGPQSLPLPILEPVKNPCSVKDQTPLQLSVEDTTSPNTKPCPPTPTTPETSP

PPPPPPPSSTPCSAHLTPSSLFPSSLESSSEQKFYNFVILHARADEHIALRVREKLEALG

VPDGATFCEDFQVPGRGELSCLQDAIDHSAFIILLLTSNFDCRLSLHQVNQAMMSNLTRQ

GSPDCVIPFLPLESSPAQLSSDTASLLSGLVRLDEHSQIFARKVANTFKPHRLQARKAMW

RKEQDTRALREQSQHLDGERMQAAALNAAYSAYLQSYLSYQAQMEQLQVAFGSHMSFGTG

APYGARMPFGGQVPLGAPPPFPTWPGCPQPPPLHAWQAGTPPPPSPQPAAFPQSLPFPQS

PAFPTASPAPPQSPGLQPLIIHHAQMVQLGLNNHMWNQRGSQAPEDKTQEAE

>sp|Q9Y371| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [autophagosome membrane](https://www.uniprot.org/locations/SL-0022); [Midbody](https://www.uniprot.org/locations/SL-0469)

MNIMDFNVKKLAADAGTFLSRAVQFTEEKLGQAEKTELDAHLENLLSKAECTKIWTEKIM

KQTEVLLQPNPNARIEEFVYEKLDRKAPSRINNPELLGQYMIDAGTEFGPGTAYGNALIK

CGETQKRIGTADRELIQTSALNFLTPLRNFIEGDYKTIAKERKLLQNKRLDLDAAKTRLK

KAKAAETRNSSEQELRITQSEFDRQAEITRLLLEGISSTHAHHLRCLNDFVEAQMTYYAQ

CYQYMLDLQKQLGSFPSNYLSNNNQTSVTPVPSVLPNAIGSSAMASTSGLVITSPSNLSD

LKECSGSRKARVLYDYDAANSTELSLLADEVITVFSVVGMDSDWLMGERGNQKGKVPITY

LELLN

>sp|Q9HB75| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MAATVEGPELEAAAAAGDASEDSDAGSRALPFLGGNRLSLDLYPGGCQQLLHLCVQQPLQ

LLQVEFLRLSTHEDPQLLEATLAQLPQSLSCLRSLVLKGGQRRDTLGACLRGALTNLPAG

LSGLAHLAHLDLSFNSLETLPACVLQMRGLGALLLSHNCLSELPEALGALPALTFLTVTH

NRLQTLPPALGALSTLQRLDLSQNLLDTLPPEIGGLGSLLELNLASNRLQSLPASLAGLR

SLRLLVLHSNLLASVPADLARLPLLTRLDLRDNQLRDLPPELLDAPFVRLQGNPLGEASP

DAPSSPVAALIPEMPRLFLTSDLDSFPVTPQGCSVTLACGVRLQFPAGATATPITIRYRL

LLPEPGLVPLGPHDALLSHVLELQPHGVAFQQDVGLWLLFTPPQARRCREVVVRTRNDNS

WGDLETYLEEEAPQRLWAHCQVPHFSWFLVVSRPVSNACLVPPEGTLLCSSGHPGVKVIF

PPGATEEPRRVSMQVVRMAGRELQALLGEPEAAVSPLLCLSQSGPPSFLQPVTVQLPLPS

GITGLSLDRSRLHLLYWAPPAATWDDITAQVVLELTHLYARFQVTHFSWYWLWYTTKNCV

GGLARKAWERLRLHRVNLIALQRRRDPEQVLLQCLPRNKVDATLRRLLERYRGPEPSDTV

EMFEGEEFFAAFERGIDVDADRPDCVEGRICFVFYSHLKNVKEVYVTTTLDREAQAVRGQ

VSFYRGAVPVRVPEEAEAARQRKGADALWMATLPIKLPRLRGSEGPRRGAGLSLAPLNLG

DAETGFLTQSNLLSVAGRLGLDWPAVALHLGVSYREVQRIRHEFRDDLDEQIRHMLFSWA

ERQAGQPGAVGLLVQALEQSDRQDVAEEVRAVLELGRRKYQDSIRRMGLAPKDPALPGSS

APQPPEPAQA

>sp|P46379| [cytosol](https://www.uniprot.org/locations/SL-0091); [Nucleus](https://www.uniprot.org/locations/SL-0191); [exosome](https://www.uniprot.org/locations/SL-0466)

MEPNDSTSTAVEEPDSLEVLVKTLDSQTRTFIVGAQMNVKEFKEHIAASVSIPSEKQRLI

YQGRVLQDDKKLQEYNVGGKVIHLVERAPPQTHLPSGASSGTGSASATHGGGSPPGTRGP

GASVHDRNANSYVMVGTFNLPSDGSAVDVHINMEQAPIQSEPRVRLVMAQHMIRDIQTLL

SRMETLPYLQCRGGPQPQHSQPPPQPPAVTPEPVALSSQTSEPVESEAPPREPMEAEEVE

ERAPAQNPELTPGPAPAGPTPAPETNAPNHPSPAEYVEVLQELQRLESRLQPFLQRYYEV

LGAAATTDYNNNHEGREEDQRLINLVGESLRLLGNTFVALSDLRCNLACTPPRHLHVVRP

MSHYTTPMVLQQAAIPIQINVGTTVTMTGNGTRPPPTPNAEAPPPGPGQASSVAPSSTNV

ESSAEGAPPPGPAPPPATSHPRVIRISHQSVEPVVMMHMNIQDSGTQPGGVPSAPTGPLG

PPGHGQTLGQQVPGFPTAPTRVVIARPTPPQARPSHPGGPPVSGTLQGAGLGTNASLAQM

VSGLVGQLLMQPVLVAQGTPGMAPPPAPATASASAGTTNTATTAGPAPGGPAQPPPTPQP

SMADLQFSQLLGNLLGPAGPGAGGSGVASPTITVAMPGVPAFLQGMTDFLQATQTAPPPP

PPPPPPPPAPEQQTMPPPGSPSGGAGSPGGLGLESLSPEFFTSVVQGVLSSLLGSLGARA

GSSESIAAFIQRLSGSSNIFEPGADGALGFFGALLSLLCQNFSMVDVVMLLHGHFQPLQR

LQPQLRSFFHQHYLGGQEPTPSNIRMATHTLITGLEEYVRESFSLVQVQPGVDIIRTNLE

FLQEQFNSIAAHVLHCTDSGFGARLLELCNQGLFECLALNLHCLGGQQMELAAVINGRIR

RMSRGVNPSLVSWLTTMMGLRLQVVLEHMPVGPDAILRYVRRVGDPPQPLPEEPMEVQGA

ERASPEPQRENASPAPGTTAEEAMSRGPPPAPEGGSRDEQDGASAETEPWAAAVPPEWVP

IIQQDIQSQRKVKPQPPLSDAYLSGMPAKRRKTMQGEGPQLLLSEAVSRAAKAAGARPLT

SPESLSRDLEAPEVQESYRQQLRSDIQKRLQEDPNYSPQRFPNAQRAFADDP

>sp|Q5D1E8| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [P-body](https://www.uniprot.org/locations/SL-0230)

MSGPCGEKPVLEASPTMSLWEFEDSHSRQGTPRPGQELAAEEASALELQMKVDFFRKLGY

SSTEIHSVLQKLGVQADTNTVLGELVKHGTATERERQTSPDPCPQLPLVPRGGGTPKAPN

LEPPLPEEEKEGSDLRPVVIDGSNVAMSHGNKEVFSCRGILLAVNWFLERGHTDITVFVP

SWRKEQPRPDVPITDQHILRELEKKKILVFTPSRRVGGKRVVCYDDRFIVKLAYESDGIV

VSNDTYRDLQGERQEWKRFIEERLLMYSFVNDKFMPPDDPLGRHGPSLDNFLRKKPLTLE

HRKQPCPYGRKCTYGIKCRFFHPERPSCPQRSVADELRANALLSPPRAPSKDKNGRRPSP

SSQSSSLLTESEQCSLDGKKLGAQASPGSRQEGLTQTYAPSGRSLAPSGGSGSSFGPTDW

LPQTLDSLPYVSQDCLDSGIGSLESQMSELWGVRGGGPGEPGPPRAPYTGYSPYGSELPA

TAAFSAFGRAMGAGHFSVPADYPPAPPAFPPREYWSEPYPLPPPTSVLQEPPVQSPGAGR

SPWGRAGSLAKEQASVYTKLCGVFPPHLVEAVMGRFPQLLDPQQLAAEILSYKSQHPSE

>sp|O70302| [Lipid droplet](https://www.uniprot.org/locations/SL-0154); [Nucleus](https://www.uniprot.org/locations/SL-0191)

METARDYAGALIRPLTFMGLQTKKVLLTPLIHPARPFRVSNHDRSSRRGVMASSLQELIS

KTLDVLVITTGLVTLVLEEDGTVVDTEEFFQTLRDNTHFMILEKGQKWTPGSKYVPVCKQ

PKKSGIARVTFDLYRLNPKDFLGCLNVKATMYEMYSVSYDIRCTSFKAVLRNLLRFMSYA

AQMTGQFLVYAGTYMLRVLGDTEEQPSPKPSTKGWFM

>sp|O60543| [Lipid droplet](https://www.uniprot.org/locations/SL-0154);

MEAARDYAGALIRPLTFMGSQTKRVLFTPLMHPARPFRVSNHDRSSRRGVMASSLQELIS

KTLDALVIATGLVTLVLEEDGTVVDTEEFFQTLGDNTHFMILEKGQKWMPGSQHVPTCSP

PKRSGIARVTFDLYRLNPKDFIGCLNVKATMYEMYSVSYDIRCTGLKGLLRSLLRFLSYS

AQVTGQFLIYLGTYMLRVLDDKEERPSLRSQAKGRFTCG

>sp|P49768| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097);  [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909); [Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134); [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909); [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281); [Cell membrane](https://www.uniprot.org/locations/SL-0039)

MTELPAPLSYFQNAQMSEDNHLSNTVRSQNDNRERQEHNDRRSLGHPEPLSNGRPQGNSR

QVVEQDEEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDGQLIYTPFTE

DTETVGQRALHSILNAAIMISVIVVMTILLVVLYKYRCYKVIHAWLIISSLLLLFFFSFI

YLGEVFKTYNVAVDYITVALLIWNFGVVGMISIHWKGPLRLQQAYLIMISALMALVFIKY

LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE

GDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEEWEAQRDSHLGPHRSTPESRAA

VQELSSSILAGEDPEERGVKLGLGDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCL

TLLLLAIFKKALPALPISITFGLVFYFATDYLVQPFMDQLAFHQFYI

>sp|P80188| [Secreted](https://www.uniprot.org/locations/SL-0243); [Cytoplasmic granule lumen](https://www.uniprot.org/locations/SL-0324); [Cytoplasmic vesicle lumen](https://www.uniprot.org/locations/SL-0325)

MPLGLLWLGLALLGALHAQAQDSTSDLIPAPPLSKVPLQQNFQDNQFQGKWYVVGLAGNA

ILREDKDPQKMYATIYELKEDKSYNVTSVLFRKKKCDYWIRTFVPGCQPGEFTLGNIKSY

PGLTSYLVRVVSTNYNQHAMVFFKKVSQNREYFKITLYGRTKELTSELKENFIRFSKSLG

LPENHIVFPVPIDQCIDG

>sp|Q95YF3| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSGAEQQQIVPANNGDENWKAGLNLPAKDRRFKTADVTDTKGVEFEDFCLGRDLLMGIFE

KGWEKPSPIQEASIGVALTGQDILARAKNGTGKTGAYCIPVIEKIQPALKAIQAMVIVPT

RELALQTSQICVELSKHIQLKVMVTTGGTDLRDDIMRLNGTVHLVIATPGRILDLMEKGV

AKMEHCKTLVLDEADKLLSQDFQGILDRLINFLPKERQVMLYSATFPNTVTSFMQKHMHK

PYEINLMEELTLLGVTQYYAFVQEKQKVHCLNTLFRKLQINQSIIFCNSTQRVELLAKKI

TEIGYSCYYIHSKMAQNHRNRVFHDFRQGNCRNLVCSDLLTRGIDIQAVNVVINFDFPRN

AETYLHRIGRSGRFGHLGVAINLITYEDRHTLRRIEQELRTRIEPIPKTVDPKLYVADQQ

LVDAADETTA

>sp|P29317| [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [ruffle membrane](https://www.uniprot.org/locations/SL-0301); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [lamellipodium membrane](https://www.uniprot.org/locations/SL-0292); [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905); [focal adhesion](https://www.uniprot.org/locations/SL-0118);

MELQAARACFALLWGCALAAAAAAQGKEVVLLDFAAAGGELGWLTHPYGKGWDLMQNIMN

DMPIYMYSVCNVMSGDQDNWLRTNWVYRGEAERIFIELKFTVRDCNSFPGGASSCKETFN

LYYAESDLDYGTNFQKRLFTKIDTIAPDEITVSSDFEARHVKLNVEERSVGPLTRKGFYL

AFQDIGACVALLSVRVYYKKCPELLQGLAHFPETIAGSDAPSLATVAGTCVDHAVVPPGG

EEPRMHCAVDGEWLVPIGQCLCQAGYEKVEDACQACSPGFFKFEASESPCLECPEHTLPS

PEGATSCECEEGFFRAPQDPASMPCTRPPSAPHYLTAVGMGAKVELRWTPPQDSGGREDI

VYSVTCEQCWPESGECGPCEASVRYSEPPHGLTRTSVTVSDLEPHMNYTFTVEARNGVSG

LVTSRSFRTASVSINQTEPPKVRLEGRSTTSLSVSWSIPPPQQSRVWKYEVTYRKKGDSN

SYNVRRTEGFSVTLDDLAPDTTYLVQVQALTQEGQGAGSKVHEFQTLSPEGSGNLAVIGG

VAVGVVLLLVLAGVGFFIHRRRKNQRARQSPEDVYFSKSEQLKPLKTYVDPHTYEDPNQA

VLKFTTEIHPSCVTRQKVIGAGEFGEVYKGMLKTSSGKKEVPVAIKTLKAGYTEKQRVDF

LGEAGIMGQFSHHNIIRLEGVISKYKPMMIITEYMENGALDKFLREKDGEFSVLQLVGML

RGIAAGMKYLANMNYVHRDLAARNILVNSNLVCKVSDFGLSRVLEDDPEATYTTSGGKIP

IRWTAPEAISYRKFTSASDVWSFGIVMWEVMTYGERPYWELSNHEVMKAINDGFRLPTPM

DCPSAIYQLMMQCWQQERARRPKFADIVSILDKLIRAPDSLKTLADFDPRVSIRLPSTSG

SEGVPFRTVSEWLESIKMQQYTEHFMAAGYTAIEKVVQMTNDDIKRIGVRLPGHQKRIAY

SLLGLKDQVNTVGIPI

>sp|Q22799| [Nucleus envelope](https://www.uniprot.org/locations/SL-0178); [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)

MVDRKAVIKNADMSDDMQQDAIDCATQALEKYNIEKDIAAYIKKEFDKKYNPTWHCIVGR

NFGSYVTHETKHFIYFYLGQVAILLFKSG

>sp|P42224| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MSQWYELQQLDSKFLEQVHQLYDDSFPMEIRQYLAQWLEKQDWEHAANDVSFATIRFHDL

LSQLDDQYSRFSLENNFLLQHNIRKSKRNLQDNFQEDPIQMSMIIYSCLKEERKILENAQ

RFNQAQSGNIQSTVMLDKQKELDSKVRNVKDKVMCIEHEIKSLEDLQDEYDFKCKTLQNR

EHETNGVAKSDQKQEQLLLKKMYLMLDNKRKEVVHKIIELLNVTELTQNALINDELVEWK

RRQQSACIGGPPNACLDQLQNWFTIVAESLQQVRQQLKKLEELEQKYTYEHDPITKNKQV

LWDRTFSLFQQLIQSSFVVERQPCMPTHPQRPLVLKTGVQFTVKLRLLVKLQELNYNLKV

KVLFDKDVNERNTVKGFRKFNILGTHTKVMNMEESTNGSLAAEFRHLQLKEQKNAGTRTN

EGPLIVTEELHSLSFETQLCQPGLVIDLETTSLPVVVISNVSQLPSGWASILWYNMLVAE

PRNLSFFLTPPCARWAQLSEVLSWQFSSVTKRGLNVDQLNMLGEKLLGPNASPDGLIPWT

RFCKENINDKNFPFWLWIESILELIKKHLLPLWNDGCIMGFISKERERALLKDQQPGTFL

LRFSESSREGAITFTWVERSQNGGEPDFHAVEPYTKKELSAVTFPDIIRNYKVMAAENIP

ENPLKYLYPNIDKDHAFGKYYSRPKEAPEPMELDGPKGTGYIKTELISVSEVHPSRLQTT

DNLLPMSPEEFDEVSRIVGSVEFDSMMNTV

>sp|Q45VV3| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Nucleus](https://www.uniprot.org/locations/SL-0191)

MLTTMSASSNTNSLIEKEIDDEDMLSPIKSNNLVVRVNQDTDDNLQALFDSVLNPGDAKR

PLQLPLRMRKLPNSFFTPPAPSHSRANSADSTYDAGSQSSINIGNKASIVQQPDGQSPIA

AIPQLQIQPSPQHSRLAIHHSRARSSPASLQQNYNVRARSDAAAANNPNANPSSQQQPAG

PTFPENSAQEFPSGAPASSAIDLDAMNTCMSQDIPMSMQTVHKKQRSYDVISPIQLNRQL

GALPPGWEQAKTNDGQIYYLNHTTKSTQWEDPRIQYRQQQQILMAERIKQNDVLQTTKQT

TTSTIANNLGPLPDGWEQAVTESGDLYFINHIDRTTSWNDPRMQSGLSVLDCPDNLVSSL

QIEDNLCSNLFNDAQAIVNPPSSHKPDDLEWYKIN

>sp|O00165| [Mitochondrion](https://www.uniprot.org/locations/SL-0173); [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095); [Nucleus membrane](https://www.uniprot.org/locations/SL-0182); [Nucleus membrane](https://www.uniprot.org/locations/SL-0182); [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); ; [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910); [P-body](https://www.uniprot.org/locations/SL-0230); [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSLFDLFRGFFGFPGPRSHRDPFFGGMTRDEDDDEEEEEEGGSWGRGNPRFHSPQHPPEE

FGFGFSFSPGGGIRFHDNFGFDDLVRDFNSIFSDMGAWTLPSHPPELPGPESETPGERLR

EGQTLRDSMLKYPDSHQPRIFGGVLESDARSESPQPAPDWGSQRPFHRFDDVWPMDPHPR

TREDNDLDSQVSQEGLGPVLQPQPKSYFKSISVTKITKPDGIVEERRTVVDSEGRTETTV

TRHEADSSPRGDPESPRPPALDDAFSILDLFLGRWFRSR

>sp|Q7Z6J0| [trans-Golgi network](https://www.uniprot.org/locations/SL-0266)

MDESALLDLLECPVCLERLDASAKVLPCQHTFCKRCLLGIVGSRNELRCPECRTLVGSGV

EELPSNILLVRLLDGIKQRPWKPGPGGGSGTNCTNALRSQSSTVANCSSKDLQSSQGGQQ

PRVQSWSPPVRGIPQLPCAKALYNYEGKEPGDLKFSKGDIIILRRQVDENWYHGEVNGIH

GFFPTNFVQIIKPLPQPPPQCKALYDFEVKDKEADKDCLPFAKDDVLTVIRRVDENWAEG

MLADKIGIFPISYVEFNSAAKQLIEWDKPPVPGVDAGECSSAAAQSSTAPKHSDTKKNTK

KRHSFTSLTMANKSSQASQNRHSMEISPPVLISSSNPTAAARISELSGLSCSAPSQVHIS

TTGLIVTPPPSSPVTTGPSFTFPSDVPYQAALGTLNPPLPPPPLLAATVLASTPPGATAA

AAAAGMGPRPMAGSTDQIAHLRPQTRPSVYVAIYPYTPRKEDELELRKGEMFLVFERCQD

GWFKGTSMHTSKIGVFPGNYVAPVTRAVTNASQAKVPMSTAGQTSRGVTMVSPSTAGGPA

QKLQGNGVAGSPSVVPAAVVSAAHIQTSPQAKVLLHMTGQMTVNQARNAVRTVAAHNQER

PTAAVTPIQVQNAAGLSPASVGLSHHSLASPQPAPLMPGSATHTAAISISRASAPLACAA

AAPLTSPSITSASLEAEPSGRIVTVLPGLPTSPDSASSACGNSSATKPDKDSKKEKKGLL

KLLSGASTKRKPRVSPPASPTLEVELGSAELPLQGAVGPELPPGGGHGRAGSCPVDGDGP

VTTAVAGAALAQDAFHRKASSLDSAVPIAPPPRQACSSLGPVLNESRPVVCERHRVVVSY

PPQSEAELELKEGDIVFVHKKREDGWFKGTLQRNGKTGLFPGSFVENI

>sp|P23246| [Nucleus speckle](https://www.uniprot.org/locations/SL-0186); [Nucleus matrix](https://www.uniprot.org/locations/SL-0181); [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSRDRFRSRGGGGGGFHRRGGGGGRGGLHDFRSPPPGMGLNQNRGPMGPGPGQSGPKPPI

PPPPPHQQQQQPPPQQPPPQQPPPHQPPPHPQPHQQQQPPPPPQDSSKPVVAQGPGPAPG

VGSAPPASSSAPPATPPTSGAPPGSGPGPTPTPPPAVTSAPPGAPPPTPPSSGVPTTPPQ

AGGPPPPPAAVPGPGPGPKQGPGPGGPKGGKMPGGPKPGGGPGLSTPGGHPKPPHRGGGE

PRGGRQHHPPYHQQHHQGPPPGGPGGRSEEKISDSEGFKANLSLLRRPGEKTYTQRCRLF

VGNLPADITEDEFKRLFAKYGEPGEVFINKGKGFGFIKLESRALAEIAKAELDDTPMRGR

QLRVRFATHAAALSVRNLSPYVSNELLEEAFSQFGPIERAVVIVDDRGRSTGKGIVEFAS

KPAARKAFERCSEGVFLLTTTPRPVIVEPLEQLDDEDGLPEKLAQKNPMYQKERETPPRF

AQHGTFEYEYSQRWKSLDEMEKQQREQVEKNMKDAKDKLESEMEDAYHEHQANLLRQDLM

RRQEELRRMEELHNQEMQKRKEMQLRQEEERRRREEEMMIRQREMEEQMRRQREESYSRM

GYMDPRERDMRMGGGGAMNMGDPYGSGGQKFPPLGGGGGIGYEANPGVPPATMSGSMMGS

DMRTERFGQGGAGPVGGQGPRGMGPGTPAGYGRGREEYEGPNKKPRF

>sp|O00422| [Nucleus](https://www.uniprot.org/locations/SL-0191); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); Nucleus speckle;

MAVESRVTQEEIKKEPEKPIDREKTCPLLLRVFTTNNGRHHRMDEFSRGNVPSSELQIYT

WMDATLKELTSLVKEVYPEARKKGTHFNFAIVFTDVKRPGYRVKEIGSTMSGRKGTDDSM

TLQSQKFQIGDYLDIAITPPNRAPPPSGRMRPY

>sp|Q0KHQ5| [cytoskeleton](https://www.uniprot.org/locations/SL-0090); [spindle](https://www.uniprot.org/locations/SL-0251); [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Membrane](https://www.uniprot.org/locations/SL-0162); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903); [Perikaryon](https://www.uniprot.org/locations/SL-0197); [cell cortex](https://www.uniprot.org/locations/SL-0138); [axon](https://www.uniprot.org/locations/SL-0279)

MPSARPGSLKDPEIADLFNKHDPEKIFEDLREIGHGSFGAVYYARCNLTREIVAIKKMSY

TGKQSQEKWQDILKEIRFLRQLNHPNTIEYKGCYLRESTAWLVMEYCVGSASDIIEVHKK

PLHEDEIAAICLGVLSGLSYLHSLGRIHRDIKAGNILLTDNGVVKLADFGSAAIKCPANS

FVGTPYWMAPEVILAMDEGQYDGKVDVWSLGITCIELAERKPPYFNMNAMSALYHIAQNE

SPTLPKNDWSDAFCSFVELCLKKMPAERPSSAKLLTHAYVTRPRSDTVLLELIARTKSAV

RELDNLNYRKMKKILMVDTCETESAVGDTDDQQDDHAGGDSSKSNSITSEHSIHSVGVSA

ASSQSSSSNSIPAAAQNHHHIAAHHHQQAASAAVAAAMHHHHHPHQQPPPSWPSGQQGQP

VPPGAVSRNSSRHRNRPPLPNIMHSMNNNVTPTNSASVVPAPAPAPVLPPPISVLPHLSA

MGHVGGGGTGTGGSGGGSPASGGPLADRIQPVQPRYLTTPAAQAAVYAASSASSQQAISN

AVNDHGPNNFATIRTTSIVTKQQKEHMQEEMHEQMSGYKRMRREHQAHLVKLEEKCKVDM

EAHKTALDKEYDTLLHNFTRDLDRLETKHQQDVERRAKQTSAAEKKLHKEITLKQENDRK

VYDLNRKKEYKANKERWKRELSMDESTPKRQRDLTLQSQKDNLKQHEAQEEQRMLQAQKQ

YIELEMRKFKRKRMIMQHEHEDQQLRDELGKKEQQLQQAHAMLLKHHEKTQELEYRQQKS

VHQLREEQINKQHDTELHNQKDYMDRIKKELVRKHAVELRQQPKSLKQKELQIRKQFRET

CKTQTKQYKRYKAQVLQTTPKEQQKEVIKQLKEEKHRKLTLLGEQYEQSIADMFQSQSYK

LDESQVIECQRTHEQLEYELEMLTAYQNKNKKQAQEQRDRERRELENRVSVRRGLLENKM

DAELQQFNQERAERLRMKHEKHTKELEAFDNESIALGFSTLSLIEVSREAYADEEGSLSG

SMISLAHSNSSTSFPAGSL

>sp|Q21921| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSRDSGNDSEVAVTHGEVQEITEENPEIGSMHITQETDISDAPETNTDSSRQRTESTTSV

SSESWQNNDEMMSNLRRAQRLLDDGATPLQIIQQIFPDFNASRIATMSENAHFAILSDLL

ERAPVRQKLTNYNSLADAVELFKTKKHILVLTGAGVSVSCGIPDFRSKDGIYARLRSEFP

DLPDPTAMFDIRYFRENPAPFYNFAREIFPGQFVPSVSHRFIKELETSGRLLRNYTQNID

TLEHQTGIKRVVECHGSFSKCTCTRCGQKYDGNEIREEVLAMRVAHCKRCEGVIKPNIVF

FGEDLGREFHQHVTEDKHKVDLIVVIGSSLKVRPVALIPHCVDKNVPQILINRESLPHYN

ADIELLGNCDDIIRDICFSLGGSFTELITSYDSIMEQQGKTKSQKPSQNKRQLISQEDFL

NICMKEKRNDDSSDEPTLKKPRMSVADDSMDSEKNNFQEIQKHKSEDDDDTRNSDDILKK

IKHPRLLSITEMLHDNKCVAISAHQTVFPGAECSFDLETLKLVRDVHHETHCESSCGSSC

SSNADSEANQLSRAQSLDDFVLSDEDRKNTIHLDLQRADSCDGDFQYELSETIDPETFSH

LCEEMRI

>sp|Q9NQC7| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[Cell membrane](https://www.uniprot.org/locations/SL-0039) [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)，[centrosome](https://www.uniprot.org/locations/SL-0048)，[spindle](https://www.uniprot.org/locations/SL-0251)，[cilium basal body](https://www.uniprot.org/locations/SL-0087)

MSSGLWSQEKVTSPYWEERIFYLLLQECSVTDKQTQKLLKVPKGSIGQYIQDRSVGHSRI

PSAKGKKNQIGLKILEQPHAVLFVDEKDVVEINEKFTELLLAITNCEERFSLFKNRNRLS

KGLQIDVGCPVKVQLRSGEEKFPGVVRFRGPLLAERTVSGIFFGVELLEEGRGQGFTDGV

YQGKQLFQCDEDCGVFVALDKLELIEDDDTALESDYAGPGDTMQVELPPLEINSRVSLKV

GETIESGTVIFCDVLPGKESLGYFVGVDMDNPIGNWDGRFDGVQLCSFACVESTILLHIN

DIIPALSESVTQERRPPKLAFMSRGVGDKGSSSHNKPKATGSTSDPGNRNRSELFYTLNG

SSVDSQPQSKSKNTWYIDEVAEDPAKSLTEISTDFDRSSPPLQPPPVNSLTTENRFHSLP

FSLTKMPNTNGSIGHSPLSLSAQSVMEELNTAPVQESPPLAMPPGNSHGLEVGSLAEVKE

NPPFYGVIRWIGQPPGLNEVLAGLELEDECAGCTDGTFRGTRYFTCALKKALFVKLKSCR

PDSRFASLQPVSNQIERCNSLAFGGYLSEVVEENTPPKMEKEGLEIMIGKKKGIQGHYNS

CYLDSTLFCLFAFSSVLDTVLLRPKEKNDVEYYSETQELLRTEIVNPLRIYGYVCATKIM

KLRKILEKVEAASGFTSEEKDPEEFLNILFHHILRVEPLLKIRSAGQKVQDCYFYQIFME

KNEKVGVPTIQQLLEWSFINSNLKFAEAPSCLIIQMPRFGKDFKLFKKIFPSLELNITDL

LEDTPRQCRICGGLAMYECRECYDDPDISAGKIKQFCKTCNTQVHLHPKRLNHKYNPVSL

PKDLPDWDWRHGCIPCQNMELFAVLCIETSHYVAFVKYGKDDSAWLFFDSMADRDGGQNG

FNIPQVTPCPEVGEYLKMSLEDLHSLDSRRIQGCARRLLCDAYMCMYQSPTMSLYK

>sp|A9LNK9| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MEDADGLSFDFEGGLDSGPVQNTASVPVAPPENSSSAAVNVAPTYDHSSATVAGAGRGRS

FRQTVCRHWLRGLCMKGDACGFLHQFDKARMPICRFFRLYGECREQDCVYKHTNEDIKEC

NMYKLGFCPNGPDCRYRHAKLPGPPPPVEEVLQKIQQLTTYNYGTNRLYQARNVAPQLQD

RPQGQVPMQGQPQESGNLQQQQQQQPQQSQHQVSQTLIPNPADQTNRTSHPLPQGVNRYF

VVKSNNRENFELSVQQGVWATQRSNEAKLNEAFDSVENVILIFSVNRTRHFQGCAKMTSR

IGGYIGGGNWKHEHGTAQYGRNFSVKWLKLCELSFHKTRNLRNPYNENLPVKISRDCQEL

EPSVGEQLASLLYLEPDSELMAISIAAEAKREEEKAKGVNPESRAENPDIVPFEDNEEEE

EEEDESEEEEESMAGGPQGRGRGRGIMWPPQMPLGRGIRPMPGMGGFPLGVMGPGDAFPY

GPGGYNGMPDPFGMGPRPFGPYGPRFGGDFRGPVPGMMFPGRPPQQFPHGGYGMMGGGRG

PHMGGMGNAPRGGRPMYYPPATSSARPGPSNRKTPERSDERGVSGDQQNQDASHDMEQFE

VGNSLRNEESESEDEDEAPRRSRHGEGKKRR

>sp|P21401| [Virion membrane](https://www.uniprot.org/locations/SL-0275), [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905), [Host Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0426),  [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905), [Host endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0390), [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905), [Host mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0411),

MYVLLTILTSVLVCEAIIRVSLSSTREETCFGDSTNPEMIEGAWDSLREEEMPEELSCSI

SGIREVKTSSQELYRALKAIIAADGLNNITCHGKDPEDKISLIKGPPHKKRVGIVRCERR

RDAKQIGRKTMAGIAMTVLPALAVFALAPVVFAEDPHLRNRPGKGHNYIDGMTQEDATCK

PVTYAGACSSFDVLLEKGKFPLFQSYAHHRTLLEAVHDTIIAKADPPSCDLLSAHGNPCM

KEKLVMKTHCPNDYQSAHHLNNDGKMASVKCPPKYELTEDCNFCRQMTGASLKKGSYPLQ

DLFCQSSEDDGSKLKTKMKGVCEVGVQALKKCDGQLSTAHEVVPFAVFKNSKKVYLDKLD

LKTEENLLPDSFVCFEHKGQYKGTMDSGQTKRELKSFDISQCPKIGGHGSKKCTGDAAFC

SAYECTAQYANAYCSHANGSGIVQIQVSGVWKKPLCVGYERVVVKRELSAKPIQRVEPCT

TCITKCEPHGLVVRSTGFKISSAVACASGVCVTGSQSPSTEITLKYPGISQSSGGDIGVH

MAHDDQSVSSKIVAHCPPQDPCLVHDCIVCAHGLINYQCHTALSAFVVVFVFSSIAIICL

AILYRVLKCLKIAPRKVLNPLMWITAFIRWIYKKMVARVADNINQVNREIGWMEGGQLVL

GNPAPIPRHAPIPRYSTYLMLLLIVSYASACSELIQASSRITTCSTEGVNTKCRLSGTAL

IRAGSVGAEACLMLKGVKEDQTKFLKLKTVSSELSCREGQSYWTGSFSPKCLSSRRCHLV

GECHVNRCLSWRDNETSAEFSFVGESTTMRENKCFEQCGGWGCGCFNVNPSCLFVHTYLQ

SVRKEALRVFNCIDWVHKLTLEITDFDGSVSTIDLGASSSRFTNWGSVSLSLDAEGISGS

NSFSFIESPGKGYAIVDEPFSEIPRQGFLGEIRCNSESSVLSAHESCLRAPNLISYKPMI

DQLECTTNLIDPFVVFERGSLPQTRNDKTFAASKGNRGVQAFSKGSVQADLTLMFDNFEV

DFVGAAVSCDAAFLNLTGCYSCNAGARVCLSITSTGTGSLSAHNKDGSLHIVLPSENGTK

DQCQILHFTVPEVEEEFMYSCDGDERPLLVKGTLIAIDPFDDRREAGGESTVVNPKSGSW

NFFDWFSGLMSWFGGPLKTILLICLYVALSIGLFFLLIYLGGTGLSKMWLAATKKAS

>sp|Q6IC98| [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MLRRLDKIRFRGHKRDDFLDLAESPNASDTECSDEIPLKVPRTSPRDSEELRDPAGPGTL

IMATGVQDFNRTEFDRLNEIKGHLEIALLEKHFLQEELRKLREETNAEMLRQELDRERQR

RMELEQKVQEVLKARTEEQMAQQPPKGQAQASNGAERRSQGLSSRLQKWFYERFGEYVED

FRFQPEENTVETEEPLSARRLTENMRRLKRGAKPVTNFVKNLSALSDWYSVYTSAIAFTV

YMNAVWHGWAIPLFLFLAILRLSLNYLIARGWRIQWSIVPEVSEPVEPPKEDLTVSEKFQ

LVLDVAQKAQNLFGKMADILEKIKNLFMWVQPEITQKLYVALWAAFLASCFFPYRLVGLA

VGLYAGIKFFLIDFIFKRCPRLRAKYDTPYIIWRSLPTDPQLKERSSAAVSRRLQTTSSR

SYVPSAPAGLGKEEDAGRFHSTKKGNFHEIFNLTENERPLAVCENGWRCCLINRDRKMPT

DYIRNGVLYVTENYLCFESSKSGSSKRNKVIKLVDITDIQKYKVLSVLPGSGMGIAVSTP

STQKPLVFGAMVHRDEAFETILSQYIKITSAAASGGDS

>sp|P9WNK5| [Secreted](https://www.uniprot.org/locations/SL-0243)，[cell wall](https://www.uniprot.org/locations/SL-0041)，[Host cell surface](https://www.uniprot.org/locations/SL-0378)，[Host endoplasmic reticulum](https://www.uniprot.org/locations/SL-0388)，

MAEMKTDAATLAQEAGNFERISGDLKTQIDQVESTAGSLQGQWRGAAGTAAQAAVVRFQE

AANKQKQELDEISTNIRQAGVQYSRADEEQQQALSSQMGF

>sp|Q9GZT9| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MANDSGGPGGPSPSERDRQYCELCGKMENLLRCSRCRSSFYCCKEHQRQDWKKHKLVCQG

SEGALGHGVGPHQHSGPAPPAAVPPPRAGAREPRKAAARRDNASGDAAKGKVKAKPPADP

AAAASPCRAAAGGQGSAVAAEAEPGKEEPPARSSLFQEKANLYPPSNTPGDALSPGGGLR

PNGQTKPLPALKLALEYIVPCMNKHGICVVDDFLGKETGQQIGDEVRALHDTGKFTDGQL

VSQKSDSSKDIRGDKITWIEGKEPGCETIGLLMSSMDDLIRHCNGKLGSYKINGRTKAMV

ACYPGNGTGYVRHVDNPNGDGRCVTCIYYLNKDWDAKVSGGILRIFPEGKAQFADIEPKF

DRLLFFWSDRRNPHEVQPAYATRYAITVWYFDADERARAKVKYLTGEKGVRVELNKPSDS

VGKDVF

>sp|O14638| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)，

MESTLTLATEQPVKKNTLKKYKIACIVLLALLVIMSLGLGLGLGLRKLEKQGSCRKKCFD

ASFRGLENCRCDVACKDRGDCCWDFEDTCVESTRIWMCNKFRCGETRLEASLCSCSDDCL

QRKDCCADYKSVCQGETSWLEENCDTAQQSQCPEGFDLPPVILFSMDGFRAEYLYTWDTL

MPNINKLKTCGIHSKYMRAMYPTKTFPNHYTIVTGLYPESHGIIDNNMYDVNLNKNFSLS

SKEQNNPAWWHGQPMWLTAMYQGLKAATYFWPGSEVAINGSFPSIYMPYNGSVPFEERIS

TLLKWLDLPKAERPRFYTMYFEEPDSSGHAGGPVSARVIKALQVVDHAFGMLMEGLKQRN

LHNCVNIILLADHGMDQTYCNKMEYMTDYFPRINFFYMYEGPAPRIRAHNIPHDFFSFNS

EEIVRNLSCRKPDQHFKPYLTPDLPKRLHYAKNVRIDKVHLFVDQQWLAVRSKSNTNCGG

GNHGYNNEFRSMEAIFLAHGPSFKEKTEVEPFENIEVYNLMCDLLRIQPAPNNGTHGSLN

HLLKVPFYEPSHAEEVSKFSVCGFANPLPTESLDCFCPHLQNSTQLEQVNQMLNLTQEEI

TATVKVNLPFGRPRVLQKNVDHCLLYHREYVSGFGKAMRMPMWSSYTVPQLGDTSPLPPT

VPDCLRADVRVPPSESQKCSFYLADKNITHGFLYPPASNRTSDSQYDALITSNLVPMYEE

FRKMWDYFHSVLLIKHATERNGVNVVSGPIFDYNYDGHFDAPDEITKHLANTDVPIPTHY

FVVLTSCKNKSHTPENCPGWLDVLPFIIPHRPTNVESCPEGKPEALWVEERFTAHIARVR

DVELLTGLDFYQDKVQPVSEILQLKTYLPTFETTI

>sp|O61667| [synapse](https://www.uniprot.org/locations/SL-0258)

MLMLTFASTSSDLLPMSNVFDVQSSVFYNEKNMFYSSSQDFSSCEDSSQFADDSGFFDDS

EISSIGYEIGSKLAAMCDDFDAQMMSYSAHASDRSLFHRLLDFFAF

>sp|Q9Y6B2| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSEMAELSELYEESSDLQMDVMPGEGDLPQMEVGSGSRELSLRPSRSGAQQLEEEGPMEE

EEAQPMAAPEGKRSLANGPNAGEQPGQVAGADFESEDEGEEFDDWEDDYDYPEEEQLSGA

GYRVSAALEEADKMFLRTREPALDGGFQMHYEKTPFDQLAFIEELFSLMVVNRLTEELGC

DEIIDRE

>sp|V6CIV8| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MTTHLPSTSQNGEEISAEQFNRIFHERNVIVLDCRSNGDSVKRANRFFCSLRLPALLQRR

LMGGSMRLSTVPDLKDLNNSPDQCPEVLLIPGDSEQDEQLSAALARNLKSNHYRHFVLGE

PVKTLLSQFPTLRDAADENWNTTFQMNSMPGQASGQQASSGPLLNLNQLRLEGEDQGGKQ

RAEFPVKLTNFLYLGNAETAKNRDVLKKYSISHVINVTSNLPNTFEEDPNMRYLRISADD

NASHNLTKFFPEAISFIDDARRNDSACLVHCLAGISRSVTICLAYLMKTEMCTLDSAYEW

VQKRNASIAPNFHFMGQLTDYEKMLGLNSNRVGTYPSSAPRSPSCAIEAAAVSQVGGLLT

PPPTSCSASPQSSNHSAKSFH

>sp|H2L099| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Apical cell membrane](https://www.uniprot.org/locations/SL-0015), pe[ripheral](https://www.uniprot.org/locations/SL-9903) [membrane protein](https://www.uniprot.org/locations/SL-9903)

MTTTSSDELPRQADDDSMKWDRIYIQKLDPEVIFTKQERIGRGSFGEVYKGIDNRTGRVV

AIKIIDLEQAEDEIEDIQQEIQVLSQCDSQYVTKYFGSFLKGSKLWIIMEYLGGGSALDL

TKSGKLDESHIAVILREILKGLEYLHSERKIHRDIKAANVLVSEHGDVKVADFGVAGQLT

ETVKKRITFVGSPFWMAPELIKQSSYDYKADIWSLGITAIELANGEPPHSDLHPMRVLFL

IPKNPPPVLQGSQWSKPFKEFVEMCLNKDPENRPSASTLLKHQFIKRAKKNSILVDLIER

AAEYRLRTGVSSDSDLDEDSDGGGGTSKWDYPTVRGPRVSADDDGTVRQRTDRPRAQVDR

RSPSGSPGGTIVRGSPQVAAVAEQLRNSSVGSSGYGSGGNSASSQYATSSLPQSHTASSG

GATTITLGSPNGSPTSSLARTQSMVSPSGQRSGSAQSWELERGNRPMSERVSSQVSPSKY

NQHRTSSSNGVQGGSGGRREYINGSGSGLNGNSSNQNHSEYSDAVRQRGPGGSGGRLDYR

ESHVPTSSQENLNHGRMYGYGAPPPSREANNVPMPRVKGALDCSLLPAIEHLSRTRHATA

ALDQLRHVFRDVEDSCPGICNELIEELMQRIAVPQVSQSDLDAAIRRLTTPPS

>sp|O43781| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus speckle](https://www.uniprot.org/locations/SL-0186)，[Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)，[centrosome](https://www.uniprot.org/locations/SL-0048)

MGGTARGPGRKDAGPPGAGLPPQQRRLGDGVYDTFMMIDETKCPPCSNVLCNPSEPPPPR

RLNMTTEQFTGDHTQHFLDGGEMKVEQLFQEFGNRKSNTIQSDGISDSEKCSPTVSQGKS

SDCLNTVKSNSSSKAPKVVPLTPEQALKQYKHHLTAYEKLEIINYPEIYFVGPNAKKRHG

VIGGPNNGGYDDADGAYIHVPRDHLAYRYEVLKIIGKGSFGQVARVYDHKLRQYVALKMV

RNEKRFHRQAAEEIRILEHLKKQDKTGSMNVIHMLESFTFRNHVCMAFELLSIDLYELIK

KNKFQGFSVQLVRKFAQSILQSLDALHKNKIIHCDLKPENILLKHHGRSSTKVIDFGSSC

FEYQKLYTYIQSRFYRAPEIILGSRYSTPIDIWSFGCILAELLTGQPLFPGEDEGDQLAC

MMELLGMPPPKLLEQSKRAKYFINSKGIPRYCSVTTQADGRVVLVGGRSRRGKKRGPPGS

KDWGTALKGCDDYLFIEFLKRCLHWDPSARLTPAQALRHPWISKSVPRPLTTIDKVSGKR

VVNPASAFQGLGSKLPPVVGIANKLKANLMSETNGSIPLCSVLPKLIS

>sp|P03243| [Host nucleus](https://www.uniprot.org/locations/SL-0414)，[Host cytoplasm](https://www.uniprot.org/locations/SL-0381)

MERRNPSERGVPAGFSGHASVESGCETQESPATVVFRPPGDNTDGGAAAAAGGSQAAAAG

AEPMEPESRPGPSGMNVVQVAELYPELRRILTITEDGQGLKGVKRERGACEATEEARNLA

FSLMTRHRPECITFQQIKDNCANELDLLAQKYSIEQLTTYWLQPGDDFEEAIRVYAKVAL

RPDCKYKISKLVNIRNCCYISGNGAEVEIDTEDRVAFRCSMINMWPGVLGMDGVVIMNVR

FTGPNFSGTVFLANTNLILHGVSFYGFNNTCVEAWTDVRVRGCAFYCCWKGVVCRPKSRA

SIKKCLFERCTLGILSEGNSRVRHNVASDCGCFMLVKSVAVIKHNMVCGNCEDRASQMLT

CSDGNCHLLKTIHVASHSRKAWPVFEHNILTRCSLHLGNRRGVFLPYQCNLSHTKILLEP

ESMSKVNLNGVFDMTMKIWKVLRYDETRTRCRPCECGGKHIRNQPVMLDVTEELRPDHLV

LACTRAEFGSSDEDTD

>sp|P06537| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MDSKESLAPPGRDEVPSSLLGRGRGSVMDLYKTLRGGATVKVSASSPSVAAASQADSKQQ

RILLDFSKGSASNAQQQQQQQQPQPDLSKAVSLSMGLYMGETETKVMGNDLGYPQQGQLG

LSSGETDFRLLEESIANLNRSTSRPENPKSSTPAAGCATPTEKEFPQTHSDPSSEQQNRK

SQPGTNGGSVKLYTTDQSTFDILQDLEFSAGSPGKETNESPWRSDLLIDENLLSPLAGED

DPFLLEGDVNEDCKPLILPDTKPKIQDTGDTILSSPSSVALPQVKTEKDDFIELCTPGVI

KQEKLGPVYCQASFSGTNIIGNKMSAISVHGVSTSGGQMYHYDMNTASLSQQQDQKPVFN

VIPPIPVGSENWNRCQGSGEDNLTSLGAMNFAGRSVFSNGYSSPGMRPDVSSPPSSSSTA

TGPPPKLCLVCSDEASVCHYGVLTCGSCKVFFKRAVEGQHNYLCAGRNDCIIDKIRRKNC

PACRYRKCLQAGMNLEARKTKKKIKGIQQATAGVSQDTSENANKTIVPAALPQLTPTLVS

LLEVIEPEVLYAGYDSSVPDSAWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQMT

LLQYSWMFLMAFALGWRSYRQASGNLLCFAPDLIINEQRMTLPCMYDQCKHMLFISTELQ

RLQVSYEEYLCMKTLLLLSSVPKEGLKSQELFDEIRMTYIKELGKAIVKREGNSSQNWQR

FYQLTKLLDSMHDVVENLLSYCFQTFLDKSMSIEFPEMLAEIITNQIPKYSNGNIKKLLF

HQK

>sp|O46567| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191),

MDSKESLTPGKEENPSSVLTQERGNVMDFCKILRGGATLKVSVSSTSLAAASQSDSKQQR

LLVDFPKGSVSNAQQPDLSKAVSLSMGLYMGETETKVMGNDLGFPQQGQISLSSGETDLQ

LLEESIANLNRSTSVPENPKSSASSSVSAAPKEKEFPKTHSDVSSEQQNLKGQTGTNGGN

VKLYTADQSTFDILQDLEFSSGSPGKETNQSPWKSDLLIDENCLLSPLAGEEDSFLLEGN

SNEDCKPLILPDTKPKIKDNGDLVLSSSSNVTLPQVKTEKEDFIELCTPGVIKQEKLSTV

YCQASFPGANIIGNKMSAISIHGVSTSGGQMYHYDMNTASLSQQQDQKPIFNVIPPIPVG

SENWNRCQGSGDDNLTSLGTLNFPGRTVFSNGYSSPSMRPDVSSPPSSSSTATTGPPPKL

CLVCSDEASGCHYGVLTCGSCKVFFKRAVEGQHNYLCAGRNDCIIDKIRRKNCPACRYRK

CLQAGMNLEARKTKKKIIKGIQQATTGVSQETSENPANKTIVPATLPQLTPTLVSLLEVI

EPEVLYAGYDSTVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQMTLLQYS

WMFLMAFALGWRSYRQASSNLLCFAPDLIINEQRMTLPCMYDQCKHMLYVSSELHRLQVS

YEEYLCMKTLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIVKREGNSSQNWQRFYQLT

KLLDSMHEVVENLLNYCFQTFLDKTMSIEFPEMLAEIITNQLPKYSNGNIKKLLFHQK

>sp|Q9DCD6| [cytoskeleton](https://www.uniprot.org/locations/SL-0090),

MKFVYKEEHPFEKRRSEGEKIRKKYPDRVPVIVEKAPKARIGDLDKKKYLVPSDLTVGQF

YFLIRKRIHLRAEDALFFFVNNVIPPTSATMGQLYQEHHEEDFFLYIAYSDESVYGL

>sp|P60517| [Endomembrane system](https://www.uniprot.org/locations/SL-0147), [cytoskeleton](https://www.uniprot.org/locations/SL-0090), [Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134), [Cytoplasmic vesicle](https://www.uniprot.org/locations/SL-0088)

MKFVYKEEHPFEKRRSEGEKIRKKYPDRVPVIVEKAPKARIGDLDKKKYLVPSDLTVGQF

YFLIRKRIHLRAEDALFFFVNNVIPPTSATMGQLYQEHHEEDFFLYIAYSDESVYGL

>sp|Q9QZL9| [Secreted](https://www.uniprot.org/locations/SL-0243), [acrosome](https://www.uniprot.org/locations/SL-0007)

MCRLRVLLLLLPLAFVSSSALPIHDVDSQQNTSGFLGLQRLLQSFSRLFLKNDLLRDLDN

FFSSPMDFRDLPRNFHQEENQEHRMGNHTLSSHLQIDKVTDNQTGEVLISEKVEASIEPE

RNPEGDWKVPKVEAKEPPVPVQKVTDSLHPEPRQVAFWIMKMPRRRTQPDVQDGGRWLIE

KRHRMQAIRDGLRGGAREDSLEDGVHIPQHAKLPVRKTHFLYILRPSQQL

>sp|Q6XUX3| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Apical cell membrane](https://www.uniprot.org/locations/SL-0015), [Basolateral cell membrane](https://www.uniprot.org/locations/SL-0026)

MEGDGVPWGSEPVSGPGPGGGGMIRELCRGFGRYRRYLGRLRQNLRETQKFFRDIKCSHN

HTCLSSLTGGGGAERGPAGDVAETGLQAGQLSCISFPPKEEKYLQQIVDCLPCILILGQD

CNVKCQLLNLLLGVQVLPTTKLGSEESCKLRRLRFTYGTQTRVSLALPGQYELVHTLVAH

QGNWETIPEEDLEVQENNEDAAHVLAELEVTMHHALLQEVDVVVAPCQGLRPTVDVLGDL

VNDFLPVITYALHKDELSERDEQELQEIRKYFSFPVFFFKVPKLGSEIIDSSTRRMESER

SPLYRQLIDLGYLSSSHWNCGAPGQDTKAQSMLVEQSEKLRHLSTFSHQVLQTRLVDAAK

ALNLVHCHCLDIFINQAFDMQRDLQITPKRLEYTRKKENELYESLMNIANRKQEEMKDMI

VETLNTMKEELLDDATNMEFKDVIVPENGEPVGTREIKCCIRQIQELIISRLNQAVANKL

ISSVDYLRESFVGTLERCLQSLEKSQDVSVHITSNYLKQILNAAYHVEVTFHSGSSVTRM

LWEQIKQIIQRITWVSPPAITLEWKRKVAQEAIESLSASKLAKSICSQFRTRLNSSHEAF

AASLRQLEAGHSGRLEKTEDLWLRVRKDHAPRLARLSLESCSLQDVLLHRKPKLGQELGR

GQYGVVYLCDNWGGHFPCALKSVVPPDEKHWNDLALEFHYMRSLPKHERLVDLHGSVIDY

NYGGGSSIAVLLIMERLHRDLYTGLKAGLTLETRLQIALDVVEGIRFLHSQGLVHRDIKL

KNVLLDKQNRAKITDLGFCKPEAMMSGSIVGTPIHMAPELFTGKYDNSVDVYAFGILFWY

ICSGSVKLPEAFERCASKDHLWNNVRRGARPERLPVFDEECWQLMEACWDGDPLKRPLLG

IVQPMLQGIMNRLCKSNSEQPNRGLDDST

>sp|Q6XUX1| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Apical cell membrane](https://www.uniprot.org/locations/SL-0015), [Basolateral cell membrane](https://www.uniprot.org/locations/SL-0026), [Cell junction](https://www.uniprot.org/locations/SL-0038)

MEADGQSWAGESVSGPGPGGGGMIRELCRGFSRYRRYLGRLRQNLRETQKFFRDIKCSHS

HSCPSSPAGGGAAELGPAGDVAEAPLPAGQLSCISFPPMEETYLQQLVDRLPCILILGQD

CNAKCQLLNLLLGVQVLPTLKLDSDESCKLRRLRFTYGTRTRVSLALPGQYELVHTLASH

QDNWETIPEEDLEVQEDSEDAAHVLADLEVTMHHALLQEVDIVVAPCPSHRPSVDVLSDL

ANDFLPVITYALHKDELSERGEQELREVRQYFSFPMFFFKVPKLEIISSSSGRAESERSP

LYGQLVDLGYLSSSHRNCVPSDQDCKAQSMLVEQSEKLKQLSTFSHQLLQNRLVDAAKAL

NVVHSHCLDIFINQAFDMQRDLQITPKRLEYTRKKENELYESLMNIANRKQEEMKDMIVE

TLNTMKEELLDDAANMEFKDVIVPENGETIGTREIKSCIRQIQELIISRLNQAVANKLIS

SVDYLRESFVGTLERCLQSLEKSQDVSVHITSNYLKQILNAAYHVEVTFHSGSSVTRMLW

EQIKQIIQRITWVNPPTITLEWKRKVAQEAIDSLSASKLAKSICSQFRTRLNSSHEAFAA

SLRQLEAGHSGRLEKTEDLWLKVRKDHAPRLARLSLESRSLQDVLLHRKPKLGQELGRGQ

YGVVYLCDNWGGHFPCALKSVVPPDEKHWNDLALEFHYMRSLPKHERLVDLHGSVIDYNY

GGGSSVAVLLIMERLHRDLYTGLKAGLTLETRLQIALDVVEGIRFLHSQGLVHRDIKLKN

VLLDKQNRAKITDLGFCKPEAMMSGSIVGTPIHMAPELFTGKYDNSVDVYAFGILFWYIC

SGSIKLPEAFERCASKDHLWNNVRRGTRPERLPVFDEECWQLMEACWDGDPLKRPLLGIV

QPMLRSIMDRLCKCSSEQPNRGLDDST

>sp|Q96C92| [Early endosome](https://www.uniprot.org/locations/SL-0094)，[Endosome](https://www.uniprot.org/locations/SL-0101)，[Recycling endosome](https://www.uniprot.org/locations/SL-0232)，[Midbody](https://www.uniprot.org/locations/SL-0469)，[centrosome](https://www.uniprot.org/locations/SL-0048)，[cilium basal body](https://www.uniprot.org/locations/SL-0087)

MSGYQRRPGATPLSRARSLAIPDAPAFYERRSCLPQLNCERPHGRDLDSPFFGIRPAFMC

YVPSPVLASVGDTDFGYGKGKCSKQSPSGAHGTHFGDDRFEDLEEANPFSFREFLKTKNL

GLSKEDPASRIYAKEASRHSLGLDHNSPPSQTGGYGLEYQQPFFEDPTGAGDLLDEEEDE

DTGWSGAYLPSAIEQTHPERVPAGTSPCSTYLSFFSTPSELAGPESLPSWALSDTDSRVS

PASPAGSPSADFAVHGESLGDRHLRTLQISYDALKDENSKLRRKLNEVQSFSEAQTEMVR

TLERKLEAKMIKEESDYHDLESVVQQVEQNLELMTKRAVKAENHVVKLKQEISLLQAQVS

NFQRENEALRCGQGASLTVVKQNADVALQNLRVVMNSAQASIKQLVSGAETLNLVAEILK

SIDRISEVKDEEEDS

>sp|Q99504| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MEEEQDLPEQPVKKAKMQESGEQTISQVSNPDVSDQKPETSSLASNLPMSEEIMTCTDYI

PRSSNDYTSQMYSAKPYAHILSVPVSETAYPGQTQYQTLQQTQPYAVYPQATQTYGLPPF

GALWPGMKPESGLIQTPSPSQHSVLTCTTGLTTSQPSPAHYSYPIQASSTNASLISTSST

IANIPAAAVASISNQDYPTYTILGQNQYQACYPSSSFGVTGQTNSDAESTTLAATTYQSE

KPSVMAPAPAAQRLSSGDPSTSPSLSQTTPSKDTDDQSRKNMTSKNRGKRKADATSSQDS

ELERVFLWDLDETIIIFHSLLTGSYAQKYGKDPTVVIGSGLTMEEMIFEVADTHLFFNDL

EECDQVHVEDVASDDNGQDLSNYSFSTDGFSGSGGSGSHGSSVGVQGGVDWMRKLAFRYR

KVREIYDKHKSNVGGLLSPQRKEALQRLRAEIEVLTDSWLGTALKSLLLIQSRKNCVNVL

ITTTQLVPALAKVLLYGLGEIFPIENIYSATKIGKESCFERIVSRFGKKVTYVVIGDGRD

EEIAAKQHNMPFWRITNHGDLVSLHQALELDFL

>sp|P78545| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MAATCEISNIFSNYFSAMYSSEDSTLASVPPAATFGADDLVLTLSNPQMSLEGTEKASWL

GEQPQFWSKTQVLDWISYQVEKNKYDASAIDFSRCDMDGATLCNCALEELRLVFGPLGDQ

LHAQLRDLTSSSSDELSWIIELLEKDGMAFQEALDPGPFDQGSPFAQELLDDGQQASPYH

PGSCGAGAPSPGSSDVSTAGTGASRSSHSSDSGGSDVDLDPTDGKLFPSDGFRDCKKGDP

KHGKRKRGRPRKLSKEYWDCLEGKKSKHAPRGTHLWEFIRDILIHPELNEGLMKWENRHE

GVFKFLRSEAVAQLWGQKKKNSNMTYEKLSRAMRYYYKREILERVDGRRLVYKFGKNSSG

WKEEEVLQSRN

>sp|Q99502| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MEMQDLTSPHSRLSGSSESPSGPKLGNSHINSNSMTPNGTEVKTEPMSSSETASTTADGS

LNNFSGSAIGSSSFSPRPTHQFSPPQIYPSNRPYPHILPTPSSQTMAAYGQTQFTTGMQQ

ATAYATYPQPGQPYGISSYGALWAGIKTEGGLSQSQSPGQTGFLSYGTSFSTPQPGQAPY

SYQMQGSSFTTSSGIYTGNNSLTNSSGFNSSQQDYPSYPSFGQGQYAQYYNSSPYPAHYM

TSSNTSPTTPSTNATYQLQEPPSGITSQAVTDPTAEYSTIHSPSTPIKDSDSDRLRRGSD

GKSRGRGRRNNNPSPPPDSDLERVFIWDLDETIIVFHSLLTGSYANRYGRDPPTSVSLGL

RMEEMIFNLADTHLFFNDLEECDQVHIDDVSSDDNGQDLSTYNFGTDGFPAAATSANLCL

ATGVRGGVDWMRKLAFRYRRVKEIYNTYKNNVGGLLGPAKREAWLQLRAEIEALTDSWLT

LALKALSLIHSRTNCVNILVTTTQLIPALAKVLLYGLGIVFPIENIYSATKIGKESCFER

IIQRFGRKVVYVVIGDGVEEEQGAKKHAMPFWRISSHSDLMALHHALELEYL

>sp|Q9DAM9| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[cilium basal body](https://www.uniprot.org/locations/SL-0087)，[cilium](https://www.uniprot.org/locations/SL-0066)

MEPHKVVPLSKPHPPVVGKVTHHSIELYWDLEQKEKRQGPQEQWLRFSIEEEDPKMHSYG

VIYTGYATRHVVEGLEPRTLYKFRLKVTSPSGEYEYSPVVSVATTREPISSEHFHRAVSV

NDEDLLLRILEGGHVMIDVPNKFGFTALMVAAQKGYTRLVKILVSNGTDVNLKNGSGKDS

LMLACYAGHLDVVKYLRRHGASWEARDLGGCTALHWAADGGHCSVIDWMIKDGCEVDVVD

TGSGWTPLMRVSAVTGSQKVASLLIEAGADVNIKDKDGKTPLMVAVLNNHEQLVQLLLDK

GADATVKNEFGKGVLEMARVFDRQNVLSLLEEKKKKMPRKSSVH

>sp|Q6DYE8|E [Cell membrane](https://www.uniprot.org/locations/SL-0039),

MDSRLALATEEPIKKDSLKKYKILCVVLLALLVIVSLGLGLGLGLRKPEEQGSCRKKCFD

SSHRGLEGCRCDSGCTGRGDCCWDFEDTCVKSTQIWTCNLFRCGENRLETALCSCADDCL

QRKDCCADYKTVCQGESPWVTEACASSQEPQCPPGFDLPPVILFSMDGFRAEYLQTWSTL

LPNINKLKTCGIHSKYMRAMYPTKTFPNHYTIVTGLYPESHGIIDNNMYDVHLNKNFSLS

SVEKSNPAWWSGQPIWLTAMYQGLKAACYYWPGSDVAVNGSFPTIYRNYSNSVPYERRIT

TLLQWLDLPKADRPSFYTIYVEEPDSAGHSSGPVSAGVIKALQSVDNAFGMLMEGLKQRN

LHNCVNIIVLADHGMDQTSCDRVEYMTDYFPKINFYMYQGPAPRIRTRNIPQDFFTFNSE

EIVRNLSCRKPDQHFKPYLTPDLPKRLHYAKNVRIDKAHLMVDRQWLAFRSKGSSNCGGG

THGYNNEFKSMEAIFLAHGPSFIEKTVIEPFENIEVYNLLCDLLHIEPAPNNGTHGSLNH

LLKTPFYKPSHAGELSTPADCGFTTPLPTDPLDCSCPALQNTPGLEEQANQRLNLSEGEV

AATVKANLPFGRPRVMQKNGDHCLLYHRDYISGYGKAMKMPMWSSYTVLKPGDTSSLPPT

VPDCLRADVRVAPSESQKCSFYLADKNITHGFLYPAIKGTNESRYDALITSNLVPMYKEF

KKMWDYFHEVLLIKYAIERNGLNVVSGPIFDYNYDGHFDAPDEITQYVAGTDVPIPTHYF

VVLTSCKDQTHTPDSCPGWLDVLPFIVPHRPTNIESCSENKTEDLWVEERFQAHAARVRD

VELLTGLDFYQEKAQPVSQILQLKTYLPTFETII

>sp|Q969F0| [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172), [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097), [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904),  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MAGGPPNTKAEMEMSLAEELNHGRQGENQEHLVIAEMMELGSRSRGASQKKQKLEQKAAG

SASAKRVWNMTATRPKKMGSQLPKPRMLRESGHGDAHLQEYAGNFQGIRFHYDRNPGTDA

VAQTSLEEFNVLEMEVMRRQLYAVNRRLRALEEQGATWRHRETLIIAVLVSASIANLWLW

MNQ

>sp|P61023| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [cytoskeleton](https://www.uniprot.org/locations/SL-0090), [Endomembrane system](https://www.uniprot.org/locations/SL-0147), [Endoplasmic reticulum-Golgi intermediate compartment](https://www.uniprot.org/locations/SL-0098), [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095), [Cell membrane](https://www.uniprot.org/locations/SL-0039),

MGSRASTLLRDEELEEIKKETGFSHSQITRLYSRFTSLDKGENGTLSREDFQRIPELAIN

PLGDRIINAFFSEGEDQVNFRGFMRTLAHFRPIEDNEKSKDVNGPEPLNSRSNKLHFAFR

LYDLDKDDKISRDELLQVLRMMVGVNISDEQLGSIADRTIQEADQDGDSAISFTEFVKVL

EKVDVEQKMSIRFLH

>sp|P35222| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[centrosome](https://www.uniprot.org/locations/SL-0048)，[spindle pole](https://www.uniprot.org/locations/SL-0448)，

MATQADLMELDMAMEPDRKAAVSHWQQQSYLDSGIHSGATTTAPSLSGKGNPEEEDVDTS

QVLYEWEQGFSQSFTQEQVADIDGQYAMTRAQRVRAAMFPETLDEGMQIPSTQFDAAHPT

NVQRLAEPSQMLKHAVVNLINYQDDAELATRAIPELTKLLNDEDQVVVNKAAVMVHQLSK

KEASRHAIMRSPQMVSAIVRTMQNTNDVETARCTAGTLHNLSHHREGLLAIFKSGGIPAL

VKMLGSPVDSVLFYAITTLHNLLLHQEGAKMAVRLAGGLQKMVALLNKTNVKFLAITTDC

LQILAYGNQESKLIILASGGPQALVNIMRTYTYEKLLWTTSRVLKVLSVCSSNKPAIVEA

GGMQALGLHLTDPSQRLVQNCLWTLRNLSDAATKQEGMEGLLGTLVQLLGSDDINVVTCA

AGILSNLTCNNYKNKMMVCQVGGIEALVRTVLRAGDREDITEPAICALRHLTSRHQEAEM

AQNAVRLHYGLPVVVKLLHPPSHWPLIKATVGLIRNLALCPANHAPLREQGAIPRLVQLL

VRAHQDTQRRTSMGGTQQQFVEGVRMEEIVEGCTGALHILARDVHNRIVIRGLNTIPLFV

QLLYSPIENIQRVAAGVLCELAQDKEAAEAIEAEGATAPLTELLHSRNEGVATYAAAVLF

RMSEDKPQDYKKRLSVELTSSLFRTEPMAWNETADLGLDIGAQGEPLGYRQDDPSYRSFH

SGGYGQDALGMDPMMEHEMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGDSNQLAWFDTD

L

>sp|Q5SQX6| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [perinuclear region](https://www.uniprot.org/locations/SL-0198), [synaptosome](https://www.uniprot.org/locations/SL-0261)

MTTHVTLEDALSNVDLLEELPLPDQQPCIEPPPSSIMYQANFDTNFEDRNAFVTGIARYI

EQATVHSSMNEMLEEGHDYAVMLYTWRSCSRAIPQVKCNEQPNRVEIYEKTVEVLEPEVT

KLMKFMYFQRKAIERFCSEVKRLCHAERRKDFVSEAYLLTLGKFINMFAVLDELKNMKCS

VKNDHSAYKRAAQFLRKMADPQSIQESQNLSMFLANHNRITQCLHQQLEVIPGYEELLAD

IVNICVDYYENKMYLTPSEKHMLLKVMGFGLYLMDGNVSNIYKLDAKKRINLSKIDKFFK

QLQVVPLFGDMQIELARYIKTSAHYEENKSKWTCTQSSISPQYNICEQMVQIRDDHIRFI

SELARYSNSEVVTGSGLDSQKSDEEYRELFDLALRGLQLLSKWSAHVMEVYSWKLVHPTD

KFCNKDCPGTAEEYERATRYNYTSEEKFAFVEVIAMIKGLQVLMGRMESVFNQAIRNTIY

AALQDFAQVTLREPLRQAVRKKKNVLISVLQAIRKTICDWEGGREPPNDPCLRGEKDPKG

GFDIKVPRRAVGPSSTQLYMVRTMLESLIADKSGSKKTLRSSLDGPIVLAIEDFHKQSFF

FTHLLNISEALQQCCDLSQLWFREFFLELTMGRRIQFPIEMSMPWILTDHILETKEPSMM

EYVLYPLDLYNDSAYYALTKFKKQFLYDEIEAEVNLCFDQFVYKLADQIFAYYKAMAGSV

LLDKRFRAECKNYGVIIPYPPSNRYETLLKQRHVQLLGRSIDLNRLITQRISAAMYKSLD

QAISRFESEDLTSIVELEWLLEINRLTHRLLCKHMTLDSFDAMFREANHNVSAPYGRITL

HVFWELNFDFLPNYCYNGSTNRFVRTAIPFTQEPQRDKPANVQPYYLYGSKPLNIAYSHI

YSSYRNFVGPPHFKTICRLLGYQGIAVVMEELLKIVKSLLQGTILQYVKTLIEVMPKICR

LPRHEYGSPGILEFFHHQLKDIIEYAELKTDVFQSLREVGNAILFCLLIEQALSQEEVCD

LLHAAPFQNILPRVYIKEGERLEVRMKRLEAKYAPLHLVPLIERLGTPQQIAIAREGDLL

TKERLCCGLSMFEVILTRIRSYLQDPIWRGPPPTNGVMHVDECVEFHRLWSAMQFVYCIP

VGTNEFTAEQCFGDGLNWAGCSIIVLLGQQRRFDLFDFCYHLLKVQRQDGKDEIIKNVPL

KKMADRIRKYQILNNEVFAILNKYMKSVETDSSTVEHVRCFQPPIHQSLATTC

>sp|Q9H6E4| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Secreted](https://www.uniprot.org/locations/SL-0243)，[Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095)

MDLLQFLAFLFVLLLSGMGATGTLRTSLDPSLEIYKKMFEVKRREQLLALKNLAQLNDIH

QQYKILDVMLKGLFKVLEDSRTVLTAADVLPDGPFPQDEKLKDAFSHVVENTAFFGDVVL

RFPRIVHYYFDHNSNWNLLIRWGISFCNQTGVFNQGPHSPILSLMAQELGISEKDSNFQN

PFKIDRTEFIPSTDPFQKALREEEKRRKKEEKRKEIRKGPRISRSQSEL

>sp|P48558| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097),  [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909), [Vacuole membrane](https://www.uniprot.org/locations/SL-0271), [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909),, [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171),  [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MSGPPPPYEEQSSHLYGQPASSQDGNAFIPEDFKYSTVVISCEPIIRQRFMHKVYSLLSC

QLLASLSFCYWASVSTSLQNFIMSHIALFYICMVVSLVSCIWLAVSPRPEDYEASVPEPL

LTGSSEEPAQEQRRLPWYVLSSYKQKLTLLSIFTLSEAYCLSLVTLAYDKDTVLSALLIT

TIVVVGVSLTALSERFENVLNSATSIYYWLNWGLWIMIGMGLTALLFGWNTHSSKFNLLY

GWLGAILFTAYLFIDTQLIFRKVYPDEEVRCAMMLYLDIVNLFLSILRILANSNDDN

>sp|P01732| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905) [Secreted](https://www.uniprot.org/locations/SL-0243)

MALPVTALLLPLALLLHAARPSQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWLFQP

RGAAASPTFLLYLSQNKPKAAEGLDTQRFSGKRLGDTFVLTLSDFRRENEGYYFCSALSN

SIMYFSHFVPVFLPAKPTTTPAPRPPTPAPTIASQPLSLRPEACRPAAGGAVHTRGLDFA

CDIYIWAPLAGTCGVLLLSLVITLYCNHRNRRRVCKCPRPVVKSGDKPSLSARYV

>sp|P15379| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[microvillus](https://www.uniprot.org/locations/SL-0293)

MDKFWWHTAWGLCLLQLSLAHQQIDLNVTCRYAGVFHVEKNGRYSISRTEAADLCQAFNS

TLPTMDQMKLALSKGFETCRYGFIEGNVVIPRIHPNAICAANHTGVYILVTSNTSHYDTY

CFNASAPPEEDCTSVTDLPNSFDGPVTITIVNRDGTRYSKKGEYRTHQEDIDASNIIDDD

VSSGSTIEKSTPEGYILHTYLPTEQPTGDQDDSFFIRSTLATIASTVHSKSHAAAQKQNN

WIWSWFGNSQSTTQTQEPTTSATTALMTTPETPPKRQEAQNWFSWLFQPSESKSHLHTTT

KMPGTESNTNPTGWEPNEENEDETDTYPSFSGSGIDDDEDFISSTIATTPRVSARTEDNQ

DWTQWKPNHSNPEVLLQTTTRMADIDRISTSAHGENWTPEPQPPFNNHEYQDEEETPHAT

STTPNSTAEAAATQQETWFQNGWQGKNPPTPSEDSHVTEGTTASAHNNHPSQRITTQSQE

DVSWTDFFDPISHPMGQGHQTESKDTDSSHSTTLQPTAAPNTHLVEDLNRTGPLSVTTPQ

SHSQNFSTLHGEPEEDENYPTTSILPSSTKSSAKDARRGGSLPTDTTTSVEGYTFQYPDT

MENGTLFPVTPAKTEVFGETEVTLATDSNVNVDGSLPGDRDSSKDSRGSSRTVTHGSELA

GHSSANQDSGVTTTSGPMRRPQIPEWLIILASLLALALILAVCIAVNSRRRCGQKKKLVI

NGGNGTVEDRKPSELNGEASKSQEMVHLVNKEPSETPDQCMTADETRNLQSVDMKIGV

>sp|P20138| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Peroxisome](https://www.uniprot.org/locations/SL-0204)

MPLLLLLPLLWAGALAMDPNFWLQVQESVTVQEGLCVLVPCTFFHPIPYYDKNSPVHGYW

FREGAIISRDSPVATNKLDQEVQEETQGRFRLLGDPSRNNCSLSIVDARRRDNGSYFFRM

ERGSTKYSYKSPQLSVHVTDLTHRPKILIPGTLEPGHSKNLTCSVSWACEQGTPPIFSWL

SAAPTSLGPRTTHSSVLIITPRPQDHGTNLTCQVKFAGAGVTTERTIQLNVTYVPQNPTT

GIFPGDGSGKQETRAGVVHGAIGGAGVTALLALCLCLIFFIVKTHRRKAARTAVGRNDTH

PTTGSASPKHQKKSKLHGPTETSSCSGAAPTVEMDEELHYASLNFHGMNPSKDTSTEYSE

VRTQ

>sp|Q5ANA3| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MSDSKMSSQDESKLEKAISQDSSSENHSINEYHGFDAHTSENIQNLARTFTHDSFKDDSS

AGLLKYLTHMSEVPGVNPYEHEEINNDQLNPDSENFNAKFWVKNLRKLFESDPEYYKPSK

LGIGYRNLRAYGVANDSDYQPTVTNALWKLATEGFRHFQKDDDSRYFDILKSMDAIMRPG

ELTVVLGRPGAGCSTLLKTIAVNTYGFHIGKESQITYDGLSPHDIERHYRGDVIYSAETD

VHFPHLSVGDTLEFAARLRTPQNRGEGIDRETYAKHMASVYMATYGLSHTRNTNVGNDFV

RGVSGGERKRVSIAEASLSGANIQCWDNATRGLDSATALEFIRALKTSAVILDTTPLIAI

YQCSQDAYDLFDKVVVLYEGYQIFFGKATKAKEYFEKMGWKCPQRQTTADFLTSLTNPAE

REPLPGYEDKVPRTAQEFETYWKNSPEYAELTKEIDEYFVECERSNTRETYRESHVAKQS

NNTRPASPYTVSFFMQVRYGVARNFLRMKGDPSIPIFSVFGQLVMGLILSSVFYNLSQTT

GSFYYRGAAMFFAVLFNAFSSLLEIMSLFEARPIVEKHKKYALYRPSADALASIISELPV

KLAMSMSFNFVFYFMVNFRRNPGRFFFYWLMCIWCTFVMSHLFRSIGAVSTSISGAMTPA

TVLLLAMVIYTGFVIPTPSMLGWSRWINYINPVGYVFESLMVNEFHGREFQCAQYVPSGP

GYENISRSNQVCTAVGSVPGNEMVSGTNYLAGAYQYYNSHKWRNLGITIGFAVFFLAIYI

ALTEFNKGAMQKGEIVLFLKGSLKKHKRKTAASNKGDIEAGPVAGKLDYQDEAEAVNNEK

FTEKGSTGSVDFPENREIFFWRDLTYQVKIKKEDRVILDHVDGWVKPGQITALMGASGAG

KTTLLNCLSERVTTGIITDGERLVNGHALDSSFQRSIGYVQQQDVHLETTTVREALQFSA

YLRQSNKISKKEKDDYVDYVIDLLEMTDYADALVGVAGEGLNVEQRKRLTIGVELVAKPK

LLLFLDEPTSGLDSQTAWSICKLMRKLADHGQAILCTIHQPSALIMAEFDRLLFLQKGGR

TAYFGELGENCQTMINYFEKYGADPCPKEANPAEWMLQVVGAAPGSHAKQDYFEVWRNSS

EYQAVREEINRMEAELSKLPRDNDPEALLKYAAPLWKQYLLVSWRTIVQDWRSPGYIYSK

IFLVVSAALFNGFSFFKAKNNMQGLQNQMFSVFMFFIPFNTLVQQMLPYFVKQRDVYEVR

EAPSRTFSWFAFIAGQITSEIPYQVAVGTIAFFCWYYPLGLYNNATPTDSVNPRGVLMWM

LVTAFYVYTATMGQLCMSFSELADNAANLATLLFTMCLNFCGVLAGPDVLPGFWIFMYRC

NPFTYLVQAMLSTGLANTFVKCAEREYVSVKPPNGESCSTYLDPYIKFAGGYFETRNDGS

CAFCQMSSTNTFLKSVNSLYSERWRNFGIFIAFIAINIILTVIFYWLARVPKGNREKKNK

K

>sp|Q8STE5| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MAFHMPLKELQPVDTSLPEHVVKGAVVIDKEFTIWNHRAVIPSNALHTVFITINLLEQKL

TDVVKMAARSMNLSEDDSYGLMADKPKRFITDDNLNSLGSGFILTLCASPDHYVKRITEI

LTEGNNISQMENAVKTLDEFSLDPALIEAFYRCSSLELLFSLIRDDRVCMSSTLLSTCLR

ALSSMLELAVGDFTWKSVPNDVVVSMASLVTGKAKREEANTLLAALQMLEQLVIGDDTTR

DWILEEVPIETLIRHVEKSDERIALCALSLMNSMIRRCPDDEKRFELIKSLEVVPFRNAV

HSSLLRGGGGVRNLNAIEQLVEVQRSLISAYETSPPTDAEVQKILDIESSEDVSEEIREM

WKSQIGEHRCGRLAAISMVQFAEKSPQDLRMLISENTMRIEGGKWQLIPMWMRCCDIAAE

LFRVIPGRDELDRLIVVLFSTETPFPAVFACIVHLFHRTWREMQAKGGEMEKVACVVLEQ

LRHVLKRREIQDVEELSADLETFSYRAMQEIWREEQLGKENIQLHSEAVIQLKSKLRPKM

EELVRINHLNYLKLGAVFRKPQKSKSLAKLAFWHWKLDASEKMLTITGCDGENYVEGVQR

DDIRQVWIKDIADVTNNDEIDRKASSSRFTSSPSTQMLRGIRVQLKTTNDMKEGEVLMAL

TSDETQSVIWLEGLAELIGSKAVKSETDAMVERMLKMELRVRLLNVKLTNPEEKPEIPPI

PDDIKSFISKF

>sp|P55265| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[nucleolus](https://www.uniprot.org/locations/SL-0188)

MNPRQGYSLSGYYTHPFQGYEHRQLRYQQPGPGSSPSSFLLKQIEFLKGQLPEAPVIGKQ

TPSLPPSLPGLRPRFPVLLASSTRGRQVDIRGVPRGVHLRSQGLQRGFQHPSPRGRSLPQ

RGVDCLSSHFQELSIYQDQEQRILKFLEELGEGKATTAHDLSGKLGTPKKEINRVLYSLA

KKGKLQKEAGTPPLWKIAVSTQAWNQHSGVVRPDGHSQGAPNSDPSLEPEDRNSTSVSED

LLEPFIAVSAQAWNQHSGVVRPDSHSQGSPNSDPGLEPEDSNSTSALEDPLEFLDMAEIK

EKICDYLFNVSDSSALNLAKNIGLTKARDINAVLIDMERQGDVYRQGTTPPIWHLTDKKR

ERMQIKRNTNSVPETAPAAIPETKRNAEFLTCNIPTSNASNNMVTTEKVENGQEPVIKLE

NRQEARPEPARLKPPVHYNGPSKAGYVDFENGQWATDDIPDDLNSIRAAPGEFRAIMEMP

SFYSHGLPRCSPYKKLTECQLKNPISGLLEYAQFASQTCEFNMIEQSGPPHEPRFKFQVV

INGREFPPAEAGSKKVAKQDAAMKAMTILLEEAKAKDSGKSEESSHYSTEKESEKTAESQ

TPTPSATSFFSGKSPVTTLLECMHKLGNSCEFRLLSKEGPAHEPKFQYCVAVGAQTFPSV

SAPSKKVAKQMAAEEAMKALHGEATNSMASDNQPEGMISESLDNLESMMPNKVRKIGELV

RYLNTNPVGGLLEYARSHGFAAEFKLVDQSGPPHEPKFVYQAKVGGRWFPAVCAHSKKQG

KQEAADAALRVLIGENEKAERMGFTEVTPVTGASLRRTMLLLSRSPEAQPKTLPLTGSTF

HDQIAMLSHRCFNTLTNSFQPSLLGRKILAAIIMKKDSEDMGVVVSLGTGNRCVKGDSLS

LKGETVNDCHAEIISRRGFIRFLYSELMKYNSQTAKDSIFEPAKGGEKLQIKKTVSFHLY

ISTAPCGDGALFDKSCSDRAMESTESRHYPVFENPKQGKLRTKVENGEGTIPVESSDIVP

TWDGIRLGERLRTMSCSDKILRWNVLGLQGALLTHFLQPIYLKSVTLGYLFSQGHLTRAI

CCRVTRDGSAFEDGLRHPFIVNHPKVGRVSIYDSKRQSGKTKETSVNWCLADGYDLEILD

GTRGTVDGPRNELSRVSKKNIFLLFKKLCSFRYRRDLLRLSYGEAKKAARDYETAKNYFK

KGLKDMGYGNWISKPQEEKNFYLCPV

>sp|Q9W0A0| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[axon](https://www.uniprot.org/locations/SL-0279)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[postsynaptic cell membrane](https://www.uniprot.org/locations/SL-0219)，[cell cortex](https://www.uniprot.org/locations/SL-0138)，[phagocytic cup](https://www.uniprot.org/locations/SL-0473)，[phagosome](https://www.uniprot.org/locations/SL-0206)

MLPVILIACLAQLVLAQADLKDLDGPNICKRRELYNVDVVYTELQSFQERGSTWCVTFPP

RCSTYRIKHRVVNKTKTIAKNRIVRDCCDGYIASAGECVPHCSEPCQHGRCISPEKCKCD

HGYGGPACDINCPPGWYGRNCSMQCDCLNNAVCEPFSGDCECAKGYTGARCADICPEGFF

GANCSEKCRCENGGKCHHVSGECQCAPGFTGPLCDMRCPDGKHGAQCQQDCPCQNDGKCQ

PETGACMCNPGWTGDVCANKCPVGSYGPGCQESCECYKGAPCHHITGQCECPPGYRGERC

FDECQLNTYGFNCSMTCDCANDAMCDRANGTCICNPGWTGAKCAERICEANKYGLDCNRT

CECDMEHTDLCHPETGNCQCSIGWSSAQCTRPCTFLRYGPNCELTCNCKNGAKCSPVNGT

CLCAPGWRGPTCEESCEPGTFGQDCALRCDCQNGAKCEPETGQCLCTAGWKNIKCDRPCD

LNHFGQDCAKVCDCHNNAACNPQNGSCTCAAGWTGERCERKCDTGKFGHDCAQKCQCDFN

NSLACDATNGRCVCKQDWGGVHCETNCRSGYYGENCDKVCRCLNNSSCDPDSGNCICSAG

WTGADCAEPCPPGFYGMECKERCPEILHGNKSCDHITGEILCRTGYIGLTCEHPCPAGLY

GPGCKLKCNCEHGGECNHVTGQCQCLPGWTGSNCNESCPTDTYGQGCAQRCRCVHHKVCR

KADGMCICETGWSGTRCDEVCPEGFYGEHCMNTCACPSANFQCHAAHGCVCRSGYTGDNC

DELIASQRIADQSENSSRASVALTLVLMTLFACIIFAVFIYYRRRVSNLKTEIAHVHYTH

DTNPPSWPPNHNFDNPVYGMQAETRLLPNNMRSKMNNFDQRSTMSTDYGDDCNASGRVGS

YSINYNHDLLTKNLNADRTNPIVYNESLKEEHVYDEIKHKEGYKDPDEYDHLDYSRPSTS

QKPHYHRMNDAMLNINQDEEKPSNVKNMTVLLNKPLPPTEPEPQHECFDNTNTNLDNVST

ASPSSSPKFLK

>sp|P06731| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[GPI-anchor](https://www.uniprot.org/locations/SL-9902)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)，[Cell surface](https://www.uniprot.org/locations/SL-0310)

MESPSAPPHRWCIPWQRLLLTASLLTFWNPPTTAKLTIESTPFNVAEGKEVLLLVHNLPQ

HLFGYSWYKGERVDGNRQIIGYVIGTQQATPGPAYSGREIIYPNASLLIQNIIQNDTGFY

TLHVIKSDLVNEEATGQFRVYPELPKPSISSNNSKPVEDKDAVAFTCEPETQDATYLWWV

NNQSLPVSPRLQLSNGNRTLTLFNVTRNDTASYKCETQNPVSARRSDSVILNVLYGPDAP

TISPLNTSYRSGENLNLSCHAASNPPAQYSWFVNGTFQQSTQELFIPNITVNNSGSYTCQ

AHNSDTGLNRTTVTTITVYAEPPKPFITSNNSNPVEDEDAVALTCEPEIQNTTYLWWVNN

QSLPVSPRLQLSNDNRTLTLLSVTRNDVGPYECGIQNKLSVDHSDPVILNVLYGPDDPTI

SPSYTYYRPGVNLSLSCHAASNPPAQYSWLIDGNIQQHTQELFISNITEKNSGLYTCQAN

NSASGHSRTTVKTITVSAELPKPSISSNNSKPVEDKDAVAFTCEPEAQNTTYLWWVNGQS

LPVSPRLQLSNGNRTLTLFNVTRNDARAYVCGIQNSVSANRSDPVTLDVLYGPDTPIISP

PDSSYLSGANLNLSCHSASNPSPQYSWRINGIPQQHTQVLFIAKITPNNNGTYACFVSNL

ATGRNNSIVKSITVSASGTSPGLSAGATVGIMIGVLVGVALI

>sp|P40199 [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[GPI-anchor](https://www.uniprot.org/locations/SL-9902)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)，[Cell surface](https://www.uniprot.org/locations/SL-0310)

MGPPSAPPCRLHVPWKEVLLTASLLTFWNPPTTAKLTIESTPFNVAEGKEVLLLAHNLPQ

NRIGYSWYKGERVDGNSLIVGYVIGTQQATPGPAYSGRETIYPNASLLIQNVTQNDTGFY

TLQVIKSDLVNEEATGQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPEVQNTTYLWWV

NGQSLPVSPRLQLSNGNMTLTLLSVKRNDAGSYECEIQNPASANRSDPVTLNVLYGPDGP

TISPSKANYRPGENLNLSCHAASNPPAQYSWFINGTFQQSTQELFIPNITVNNSGSYMCQ

AHNSATGLNRTTVTMITVSGSAPVLSAVATVGITIGVLARVALI

>sp|P0C242| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MVTPCPASPGSPAAGAGRRDSHQNLRAPVKKSRRPCLRRKKPLRPLNACSLPGDSGVCDL

FESPSSSSDGADSPAVSAARDCSSLLNPAQPLTALDLQTFREYGQSCYDFRKAQENLFHP

RESLARQPQVTAESRCKLLSWLLQVHRQFGLSFESLCLTVNTLDRFLLTTPVAADCFQLL

GVTCLLIACKQVEVHPPRLKQLLALCGGAFSRQQLCNLECIVLHKLHFSLGAPTINFFLE

HFTQWRMEAGQAEVTEALEAQTLARGVAELSLTDYAFTTYTPSLMAICCLALADGLLQHQ

HEMDLRLGEHPEATLQDCLGKLQTLVSINSSSLPRILPPQIWERCSLPQSWQ

>sp|Q9WTK2| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MGIGNSQPNSQEAQLCTLPEKAEQPTDDNTCQQNNVVPATVSEPDQASPAIQDAETQVES

IVDKRKNKKGKTEYLVRWKGYDSEDDTWEPEQHLVNCEEYIHDFNRRHNERQKEGSLARA

SRASPSNARKQISRSTHSTLSKTNSKALVVGKDHESKSSQLLAASQKFRKNPAPSLANRK

NMDLAKSGIKILVPKSPVKGRTSVDGFQGESPEKLDPVDQGAEDTVAPEVTAEKPTGALL

GPGAERARMGSRPRIHPLVPQVSGPVTAAMATGLAVNGKGTSPFMDALAANGTVTIQTSV

TGVTAGKRKFIDDRRDQPFDKRLRFSVRQTESAYRYRDIVVRKQDGFTHILLSTKSSENN

SLNPEVMKEVQSALSTAAADDSKLVLLSAVGSVFCCGLDFIYFIRRLTDDRKRESTKMAD

AIRNFVNTFIQFKKPIIVAVNGPAIGLGASILPLCDVVWANEKAWFQTPYTTFGQSPDGC

STVMFPKIMGGASANEMLFSGRKLTAQEACGKGLVSQVFWPGTFTQEVMVRIKELASCNP

VVLEESKALVRCNMKMELEQANERECEVLKKIWGSAQGMDSMLKYLQRKIDEF

>sp|Q43125| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[PML body](https://www.uniprot.org/locations/SL-0465)

MSGSVSGCGSGGCSIVWFRRDLRVEDNPALAAAVRAGPVIALFVWAPEEEGHYHPGRVSR

WWLKNSLAQLDSSLRSLGTCLITKRSTDSVASLLDVVKSTGASQIFFNHLYDPLSLVRDH

RAKDVLTAQGIAVRSFNADLLYEPWEVTDELGRPFSMFAAFWERCLSMPYDPESPLLPPK

KIISGDVSKCVADPLVFEDDSEKGSNALLARAWSPGWSNGDKALTTFINGPLLEYSKNRR

KADSATTSFLSPHLHFGEVSVRKVFHLVRIKQVAWANEGNEAGEESVNLFLKSIGLREYS

RYISFNHPYSHERPLLGHLKFFPWAVDENYFKAWRQGRTGYPLVDAGMRELWATGWLHDR

IRVVVSSFFVKVLQLPWRWGMKYFWDTLLDADLESDALGWQYITGTLPDSREFDRIDNPQ

FEGYKFDPNGEYVRRWLPELSRLPTDWIHHPWNAPESVLQAAGIELGSNYPLPIVGLDEA

KARLHEALSQMWQLEAASRAAIENGSEEGLGDSAEVEEAPIEFPRDITMEETEPTRLNPN

RRYEDQMVPSITSSLIRPEEDEESSLNLRNSVGDSRAEVPRNMVNTNQAQQRRAEPASNQ

VTAMIPEFNIRIVAESTEDSTAESSSSGRRERSGGIVPEWSPGYSEQFPSEENGIGGGST

TSSYLQNHHEILNWRRLSQTG

>sp|Q9NSK7| [Mitochondrion](https://www.uniprot.org/locations/SL-0173)，[Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171)，[Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904)，[Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095)，[cytosol](https://www.uniprot.org/locations/SL-0091)

MERLKSHKPATMTIMVEDIMKLLCSLSGERKMKAAVKHSGKGALVTGAMAFVGGLVGGPP

GLAVGGAVGGLLGAWMTSGQFKPVPQILMELPPAEQQRLFNEAAAIIRHLEWTDAVQLTA

LVMGSEALQQQLLAMLVNYVTKELRAEIQYDD

>sp|Q92905| [cytosol](https://www.uniprot.org/locations/SL-0091)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)，[synaptic vesicle](https://www.uniprot.org/locations/SL-0259)

MAASGSGMAQKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDHHYFKYCKISAL

ALLKMVMHARSGGNLEVMGLMLGKVDGETMIIMDSFALPVEGTETRVNAQAAAYEYMAAY

IENAKQVGRLENAIGWYHSHPGYGCWLSGIDVSTQMLNQQFQEPFVAVVIDPTRTISAGK

VNLGAFRTYPKGYKPPDEGPSEYQTIPLNKIEDFGVHCKQYYALEVSYFKSSLDRKLLEL

LWNKYWVNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQLGRGSFMLGLETHDRKSEDKL

AKATRDSCKTTIEAIHGLMSQVIKDKLFNQINIS

>sp|Q14203| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[centrosome](https://www.uniprot.org/locations/SL-0048)，[centriole](https://www.uniprot.org/locations/SL-0046)，[spindle](https://www.uniprot.org/locations/SL-0251)，[Nucleus envelope](https://www.uniprot.org/locations/SL-0178)，[cell cortex](https://www.uniprot.org/locations/SL-0138)

MAQSKRHVYSRTPSGSRMSAEASARPLRVGSRVEVIGKGHRGTVAYVGATLFATGKWVGV

ILDEAKGKNDGTVQGRKYFTCDEGHGIFVRQSQIQVFEDGADTTSPETPDSSASKVLKRE

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SEPSTPAQTPLAAPIIPTPVLTSPGAVPPLPSPSKEEEGLRAQVRDLEEKLETLRLKRAE

DKAKLKELEKHKIQLEQVQEWKSKMQEQQADLQRRLKEARKEAKEALEAKERYMEEMADT

ADAIEMATLDKEMAEERAESLQQEVEALKERVDELTTDLEILKAEIEEKGSDGAASSYQL

KQLEEQNARLKDALVRMRDLSSSEKQEHVKLQKLMEKKNQELEVVRQQRERLQEELSQAE

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TELELREQLDMAGARVREAQKRVEAAQETVADYQQTIKKYRQLTAHLQDVNRELTNQQEA

SVERQQQPPPETFDFKIKFAETKAHAKAIEMELRQMEVAQANRHMSLLTAFMPDSFLRPG

GDHDCVLVLLLMPRLICKAELIRKQAQEKFELSENCSERPGLRGAAGEQLSFAAGLVYSL

SLLQATLHRYEHALSQCSVDVYKKVGSLYPEMSAHERSLDFLIELLHKDQLDETVNVEPL

TKAIKYYQHLYSIHLAEQPEDCTMQLADHIKFTQSALDCMSVEVGRLRAFLQGGQEATDI

ALLLRDLETSCSDIRQFCKKIRRRMPGTDAPGIPAALAFGPQVSDTLLDCRKHLTWVVAV

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IKGEELSEANVRLSLLEKKLDSAAKDADERIEKVQTRLEETQALLRKKEKEFEETMDALQ

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VPGPGLVKDSPLLLQQISAMRLHISQLQHENSILKGAQMKASLASLPPLHVAKLSHEGPG

SELPAGALYRKTSQLLETLNQLSTHTHVVDITRTSPAAKSPSAQLMEQVAQLKSLSDTVE

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RLVLTQEQLHQLHSRLIS

>sp|Q96F07| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191),

MTTHVTLEDALSNVDLLEELPLPDQQPCIEPPPSSIMYQANFDTNFEDRNAFVTGIARYI

EQATVHSSMNEMLEEGHEYAVMLYTWRSCSRAIPQVKCNEQPNRVEIYEKTVEVLEPEVT

KLMKFMYFQRKAIERFCSEVKRLCHAERRKDFVSEAYLLTLGKFINMFAVLDELKNMKCS

VKNDHSAYKRAAQFLRKMADPQSIQESQNLSMFLANHNRITQCLHQQLEVIPGYEELLAD

IVNICVDYYENKMYLTPSEKHMLLKVMGFGLYLMDGNVSNIYKLDAKKRINLSKIDKFFK

QLQVVPLFGDMQIELARYIKTSAHYEENKSKWTCTQSSISPQYNICEQMVQIRDDHIRFI

SELARYSNSEVVTGSGLDSQKSDEEYRELFDLALRGLQLLSKWSAHVMEVYSWKLVHPTD

KFCNKDCPGTAEEYERATRYNYTSEEKFAFVEVIAMIKGLQVLMGRMESVFNQAIRNTIY

AALQDFAQVTLREPLRQAVRKKKNVLISVLQAIRKTICDWEGGREPPNDPCLRGEKDPKG

GFDIKVPRRAVGPSSTQACQWSPRALFHPTGGTQGRRGCRSLLYMVRTMLESLIADKSGS

KKTLRSSLDGPIVLAIEDFHKQSFFFTHLLNISEALQQCCDLSQLWFREFFLELTMGRRI

QFPIEMSMPWILTDHILETKEPSMMEYVLYPLDLYNDSAYYALTKFKKQFLYDEIEAEVN

LCFDQFVYKLADQIFAYYKAMAGSVLLDKRFRAECKNYGVIIPYPPSNRYETLLKQRHVQ

LLGRSIDLNRLITQRISAAMYKSLDQAISRFESEDLTSIVELEWLLEINRLTHRLLCKHM

TLDSFDAMFREANHNVSAPYGRITLHVFWELNFDFLPNYCYNGSTNRFVRTAIPFTQEPQ

RDKPANVQPYYLYGSKPLNIAYSHIYSSYRNFVGPPHFKTICRLLGYQGIAVVMEELLKI

VKSLLQGTILQYVKTLIEVMPKICRLPRHEYGSPGILEFFHHQLKDIIEYAELKTDVFQS

LREVGNAILFCLLIEQALSQEEVCDLLHAAPFQNILPRVYIKEGERLEVRMKRLEAKYAP

LHLVPLIERLGTPQQIAIAREGDLLTKERLCCGLSMFEVILTRIRSYLQDPIWRGPPPTN

GVMHVDECVEFHRLWSAMQFVYCIPVGTNEFTAEQCFGDGLNWAGCSIIVLLGQQRRFDL

FDFCYHLLKVQRQDGKDEIIKNVPLKKMADRIRKYQILNNEVFAILNKYMKSVETDSSTV

EHVRCFQPPIHQSLATTC

>sp|P04862| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381), [Virion](https://www.uniprot.org/locations/SL-0274)

MASATLTAWIKMPSFLKKILKLRGRRQEDESRSRMLSDSSMLSCRVNQLTSEGTEAGSTT

PSTLPKDQALLIEPKVRAKEKSQHRRPKIIDQVRRVESLGEQASQRQKHMLETLINKIYT

GPLGEELVQTLYLRIWAMEETPESLKILQMREDIRDQVLKMKTERWLRTLIRGEKTKLKD

FQKRYEEVHPYLMKEKVEQVIMEEAWSLAAHIVQE

>sp|Q9ESK9| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[cytosol](https://www.uniprot.org/locations/SL-0091)，[Preautophagosomal structure](https://www.uniprot.org/locations/SL-0220)

MKLYVFLVNTGTTLTFDTELTVQTVADLKHAIQSKYKIAIQHQVLVVNGGECMAADRRVC

TYSAGTDTNPIFLFNKEMILCDRAPAIPKATFSTENDMEIKVEESLMMPAVFHTVASRTQ

LAVEMYDVAKKLCSFCEGLVHDEHLQHQGWAAIMANLEDCSNSYQKLLFKFESIYSDYLQ

SIEDIKLKLTHLGTAVSVMAKIPLLECLTRHSYRECLGRPDSLNEHEGSEKAEMKRSTEL

VLSPDMPRTTNTSLVTSFHKSMEHVAPDPTGTERGKELRESCQSTVQQEEASVDAKDSDL

PFFNVSLLDWINVQDRPNDVESLVRKCFDSMSRLDPKIIQPFMLECHQTIAKLDNQNMKA

IKGLEDRLYALDQMIASCSRLVNEQKELAQGFLANQMRAENLKDASVLPDLCLSHANQLM

IMLQNHRKLLDIKQKCTTAKQELANNLHVRLKWCCFVMLHADQDGEKLQALLRLVIELLE

RVRIVEALSTVPQMYCLAVVEVVRRKMFIKHYREWAGALVKDGKQLYEAEKSKRESFGKL

FRKSFLRNRLFKGLDSWPSSFCTQKPRKFDCELPDISLKDLQFLQSFCPSEVQPFLRVPL

LCDFEPLHQHVLALHNLVKAAQSLDEMSQTITDLLNEQKVSTSQASPQSAASPRIESTTG

ITTTTSPKTPPPLTVQDTLCPAVCPLEELSPDSIDAHTFDFETISHPNTEQPVHQASIDL

DSLAESPESDFMSAVNEFVIEENLSSPNPISDPQSPEMMVESLYSSVINAIDSRRMQDTS

TRGNEGFGDRAALHVQLEKCRAAAQDSHSSIQTIKDDLCHFRTFVQKEQCDLANYLKCTA

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LEEALQNKDNEFTSIKHEKDAIVCVQQEKDQKLLEMEKIMHTQHCEIKELKQSREMALED

LKKLHDEKIESLRAEFQCLEQNHLKELEDTLHIRHTQEFEKVMTDHNMSLEKLKKENQQR

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EEESNILKAELDNVTSLHRQAYEIEKKLKEQIVELQTRLNSELSALEKQKDEKITQQEEK

YEALIQNLEKDKERLVKNHEQDKEHLIQELNFEKNKAVQTALDEFKVERELVEKELLEKV

KHLENQIAKTPAFESAREDSSSLVAELQEKLQEEKAKFLEQLEEQEKRKNEEMQNVRTSL

IAEQQTNFNTVLTREKMRKENIINDLSDKLKSTMQQQERDKDLIESLSEDRARLLEEKKQ

LEEEVSKLRTSSFLSSAPVAAAPELYGACAPELPGEPERSVMETADEGRLDSAMETSMMS

VQENMLSEEKQRIMLLERTLQLKEEENKRLNQRLMSQSLSSVSSRHSEKIAIRDFQVGDL

VLIILDERHDNYVLFTVSPTLYFLHSESLPALDLKPGEGASGASRRPWVLGKVMEKEYCQ

AKKAQNRFKVPLGTKFYRVKAVSWNKKV

>sp|Q80WD0| [Cell membrane](https://www.uniprot.org/locations/SL-0039),  [GPI-anchor](https://www.uniprot.org/locations/SL-9902), [Perikaryon](https://www.uniprot.org/locations/SL-0197) [Cell projection](https://www.uniprot.org/locations/SL-0280)

MLRKGCCVELLLLLLAGELPLSGGCPRDCVCYPSPMTVSCQAHNFAAIPEGIPEDSERIF

LQNNHITFLQQGHFSPAMVTLWIYSNNITFIAPNTFEGFVHLEELDLGDNRQLRTLAPET

FQGLVKLHALYLYKCGLSSLPAGIFGGLHSLQYLYLQDNHIEYLQDDIFVDLVNLSHLFL

HGNKLWSLGQGIFRGLVNLDRLLLHENQLQWVHHKAFHDLHRLTTLFLFNNSLTELQGDC

LAPLVALEFLRLNGNAWDCGCRARSLWEWLRRFRGSSSVVPCATPELRQGQDLKSLRVED

FRNCTGPASPHQIKSHTLSTSDRAARKEHHPSHGASRDKGHPHGHLPGSRSGSKKPGKNC

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QQASSGTALGVSLLAWILGLVVSLR

>sp|Q7M6Z0| [dendrite](https://www.uniprot.org/locations/SL-0283), [axon](https://www.uniprot.org/locations/SL-0279)

MLPGLRRLLQGPASACLLLTLLALPSVTPSCPMLCTCYSSPPTVSCQANNFSSVPLSLPP

STQRLFLQNNLIRSLRPGTFGPNLLTLWLFSNNLSTIHPGTFRHLQALEELDLGDNRHLR

SLEPDTFQGLERLQSLHLYRCQLSSLPGNIFRGLVSLQYLYLQENSLLHLQDDLFADLAN

LSHLFLHGNRLRLLTEHVFRGLGSLDRLLLHGNRLQGVHRAAFHGLSRLTILYLFNNSLA

SLPGEALADLPALEFLRLNANPWACDCRARPLWAWFQRARVSSSDVTCATPPERQGRDLR

ALRDSDFQACPPPTPTRPGSRARGNSSSNHLYGVAEAGAPPADPSTLYRDLPAEDSRGRQ

GGDAPTEDDYWGGYGGEDQRGEQTCPGAACQAPADSRGPALSAGLRTPLLCLLPLALHHL

>sp|O88685| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MQEMNLLPTPESPVTRQEKMATVWDEAEQDGIGEEVLKMSTEEIVQRTRLLDSEIKIMKS

EVLRVTHELQAMKDKIKENSEKIKVNKTLPYLVSNVIELLDVDPNDQEEDGANIDLDSQR

KGKCAVIKTSTRQTYFLPVIGLVDAEKLKPGDLVGVNKDSYLILETLPTEYDSRVKAMEV

DERPTEQYSDIGGLDKQIQELVEAIVLPMNHKEKFENLGIQPPKGVLMYGPPGTGKTLLA

RACAAQTKATFLKLAGPQLVQMFIGDGAKLVRDAFALAKEKAPSIIFIDELDAIGTKRFD

SEKAGDREVQRTMLELLNQLDGFQPNTQVKVIAATNRVDILDPALLRSGRLDRKIEFPMP

NEEARARIMQIHSRKMNVSPDVNYEELARCTDDFNGAQCKAVCVEAGMIALRRGATELTH

EDYMEGILEVQAKKKANLQYYA

>sp|P08563| [Virion](https://www.uniprot.org/locations/SL-0274), [Host cytoplasm](https://www.uniprot.org/locations/SL-0381), [Host mitochondrion](https://www.uniprot.org/locations/SL-0407), [Virion membrane](https://www.uniprot.org/locations/SL-0275),  [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905), [Host Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0426),

MASTTPITMEDLQKALEAQSRALRAGLAAGASQSRRPRPPRQRDSSTSGDDSGRDSGGPR

RRRGNRGRGQRKDWSRAPPPPEERQESRSQTPAPKPSRAPPQQPQPPRMQTGRGGSAPRP

ELGPPTNPFQAAVARGLRPPLHDPDTEAPTEACVTSWLWSEGEGAVFYRVDLHFTNLGTP

PLDEDGRWDPALMYNPCGPEPPAHVVRAYNQPAGDVRGVWGKGERTYAEQDFRVGGTRWH

RLLRMPVRGLDGDTAPLPPHTTERIETRSARHPWRIRFGAPQAFLAGLLLAAVAVGTARA

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PPPCHAGLNDSCGGFLSGCGPMRLRHGADTRCGRLICGLSTTAQYPPTRFGCAMRWGLPP

WELVVLTARPEDGWTCRGVPAHPGTRCPELVSPMGRATCSPASALWLATANALSLDHAFA

AFVLLVPWVLIFMVCRRACRRRGAAAALTAVVLQGYNPPAYGEEAFTYLCTAPGCATQTP

VPVRLAGVRFESKIVDGGCFAPWDLEATGACICEIPTDVSCEGLGAWVPTAPCARIWNGT

QRACTFWAVNAYSSGGYAQLASYFNPGGSYYKQYHPTACEVEPAFGHSDAACWGFPTDTV

MSVFALASYVQHPHKTVRVKFHTETRTVWQLSVAGVSCNVTTEHPFCNTPHGQLEVQVPP

DPGDLVEYIMNYTGNQQSRWGLGSPNCHGPDWASPVCQRHSPDCSRLVGATPERPRLRLV

DADDPLLRTAPGPGEVWVTPVIGSQARKCGLHIRAGPYGHATVEMPEWIHAHTTSDPWHP

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WAEWAAAHWWQLTLGAICALLLAGLLACCAKCLYYLRGAIAPR

>sp|P97814| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)，[lamellipodium](https://www.uniprot.org/locations/SL-0291)，[Cleavage furrow](https://www.uniprot.org/locations/SL-0467)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)，

MMAQLQFRDAFWCRDFTAHTGYEVLLQRLLDGRKMCKDVEELLRQRAQAEERYGKELVQI

ARKAGGQTEMNSLRTSFDSLKQQTENVGSAHIQLALALREELRSLEEFRERQKEQRKKYE

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KESATEAERVYRQNIEQLERARTEWEQEHRTTCEAFQLQEFDRLTILRNALWVHCNQLSM

QCVKDDELYEEVRLTLEGCDVEGDINGFIQSKSTGREPPAPVPYQNYYDREVTPLIGSPS

IQPSCGVIKRFSGLLHGSPKTTPSAPAASTETLTPTPERNELVYASIEVQATQGNLNSSA

QDYRALYDYTAQNSDELDISAGDILAVILEGEDGWWTVERNGQRGFVPGSYLEKL

>sp|P53041| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell membrane](https://www.uniprot.org/locations/SL-0039)

MAMAEGERTECAEPPRDEPPADGALKRAEELKTQANDYFKAKDYENAIKFYSQAIELNPS

NAIYYGNRSLAYLRTECYGYALGDATRAIELDKKYIKGYYRRAASNMALGKFRAALRDYE

TVVKVKPHDKDAKMKYQECNKIVKQKAFERAIAGDEHKRSVVDSLDIESMTIEDEYSGPK

LEDGKVTISFMKELMQWYKDQKKLHRKCAYQILVQVKEVLSKLSTLVETTLKETEKITVC

GDTHGQFYDLLNIFELNGLPSETNPYIFNGDFVDRGSFSVEVILTLFGFKLLYPDHFHLL

RGNHETDNMNQIYGFEGEVKAKYTAQMYELFSEVFEWLPLAQCINGKVLIMHGGLFSEDG

VTLDDIRKIERNRQPPDSGPMCDLLWSDPQPQNGRSISKRGVSCQFGPDVTKAFLEENNL

DYIIRSHEVKAEGYEVAHGGRCVTVFSAPNYCDQMGNKASYIHLQGSDLRPQFHQFTAVP

HPNVKPMAYANTLLQLGMM

>sp|Q9UMS4| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[nucleoplasm](https://www.uniprot.org/locations/SL-0190)，[spindle](https://www.uniprot.org/locations/SL-0251)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，

MSLICSISNEVPEHPCVSPVSNHVYERRLIEKYIAENGTDPINNQPLSEEQLIDIKVAHP

IRPKPPSATSIPAILKALQDEWDAVMLHSFTLRQQLQTTRQELSHALYQHDAACRVIARL

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GADKNVVVFDKSSEQILATLKGHTKKVTSVVFHPSQDLVFSASPDATIRIWSVPNASCVQ

VVRAHESAVTGLSLHATGDYLLSSSDDQYWAFSDIQTGRVLTKVTDETSGCSLTCAQFHP

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VAFGHHAKFIASTGMDRSLKFYSL

>sp|O43586| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[uropodium](https://www.uniprot.org/locations/SL-0141)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)，[lamellipodium](https://www.uniprot.org/locations/SL-0291)，[Cleavage furrow](https://www.uniprot.org/locations/SL-0467)

MMPQLQFKDAFWCRDFTAHTGYEVLLQRLLDGRKMCKDMEELLRQRAQAEERYGKELVQI

ARKAGGQTEINSLRASFDSLKQQMENVGSSHIQLALTLREELRSLEEFRERQKEQRKKYE

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KDSATEAERVYRQSIAQLEKVRAEWEQEHRTTCEAFQLQEFDRLTILRNALWVHSNQLSM

QCVKDDELYEEVRLTLEGCSIDADIDSFIQAKSTGTEPPAPVPYQNYYDREVTPLTSSPG

IQPSCGMIKRFSGLLHGSPKTTSLAASAASTETLTPTPERNEGVYTAIAVQEIQGNPASP

AQEYRALYDYTAQNPDELDLSAGDILEVILEGEDGWWTVERNGQRGFVPGSYLEKL

>sp|P04925| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[GPI-anchor](https://www.uniprot.org/locations/SL-9902)，[Golgi apparatus](https://www.uniprot.org/locations/SL-0132)

MANLGYWLLALFVTMWTDVGLCKKRPKPGGWNTGGSRYPGQGSPGGNRYPPQGGTWGQPH

GGGWGQPHGGSWGQPHGGSWGQPHGGGWGQGGGTHNQWNKPSKPKTNLKHVAGAAAAGAV

VGGLGGYMLGSAMSRPMIHFGNDWEDRYYRENMYRYPNQVYYRPVDQYSNQNNFVHDCVN

ITIKQHTVTTTTKGENFTETDVKMMERVVEQMCVTQYQKESQAYYDGRRSSSTVLFSSPP

VILLISFLIFLIVG

>sp|Q12923| [cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[lamellipodium](https://www.uniprot.org/locations/SL-0291)

MHVSLAEALEVRGGPLQEEEIWAVLNQSAESLQELFRKVSLADPAALGFIISPWSLLLLP

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SGTDQLSCNSEQKPDRSQAIRDRLRGKGLPTGRSSTSDVLDIQKPPLSHQTFLNKGLSKS

MGFLSIKDTQDENYFKDILSDNSGREDSENTFSPYQFKTSGPEKKPIPGIDVLSKKKIWA

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PIYHTRELPTSSAISSALDRIRERQKKLQVLREAMNVEEPVRRYKTYHGDVFSTSSESPS

IISSESDFRQVRRSEASKRFESSSGLPGVDETLSQGQSQRPSRQYETPFEGNLINQEIML

KRQEEELMQLQAKMALRQSRLSLYPGDTIKASMLDITRDPLREIALETAMTQRKLRNFFG

PEFVKMTIEPFISLDLPRSILTKKGKNEDNRRKVNIMLLNGQRLELTCDTKTICKDVFDM

VVAHIGLVEHHLFALATLKDNEYFFVDPDLKLTKVAPEGWKEEPKKKTKATVNFTLFFRI

KFFMDDVSLIQHTLTCHQYYLQLRKDILEERMHCDDETSLLLASLALQAEYGDYQPEVHG

VSYFRMEHYLPARVMEKLDLSYIKEELPKLHNTYVGASEKETELEFLKVCQRLTEYGVHF

HRVHPEKKSQTGILLGVCSKGVLVFEVHNGVRTLVLRFPWRETKKISFSKKKITLQNTSD

GIKHGFQTDNSKICQYLLHLCSYQHKFQLQMRARQSNQDAQDIERASFRSLNLQAESVRG

FNMGRAISTGSLASSTLNKLAVRPLSVQAEILKRLSCSELSLYQPLQNSSKEKNDKASWE

EKPREMSKSYHDLSQASLYPHRKNVIVNMEPPPQTVAELVGKPSHQMSRSDAESLAGVTK

LNNSKSVASLNRSPERRKHESDSSSIEDPGQAYVLGMTMHSSGNSSSQVPLKENDVLHKR

WSIVSSPEREITLVNLKKDAKYGLGFQIIGGEKMGRLDLGIFISSVAPGGPADLDGCLKP

GDRLISVNSVSLEGVSHHAAIEILQNAPEDVTLVISQPKEKISKVPSTPVHLTNEMKNYM

KKSSYMQDSAIDSSSKDHHWSRGTLRHISENSFGPSGGLREGSLSSQDSRTESASLSQSQ

VNGFFASHLGDQTWQESQHGSPSPSVISKATEKETFTDSNQSKTKKPGISDVTDYSDRGD

SDMDEATYSSSQDHQTPKQESSSSVNTSNKMNFKTFSSSPPKPGDIFEVELAKNDNSLGI

SVTGGVNTSVRHGGIYVKAVIPQGAAESDGRIHKGDRVLAVNGVSLEGATHKQAVETLRN

TGQVVHLLLEKGQSPTSKEHVPVTPQCTLSDQNAQGQGPEKVKKTTQVKDYSFVTEENTF

EVKLFKNSSGLGFSFSREDNLIPEQINASIVRVKKLFPGQPAAESGKIDVGDVILKVNGA

SLKGLSQQEVISALRGTAPEVFLLLCRPPPGVLPEIDTALLTPLQSPAQVLPNSSKDSSQ

PSCVEQSTSSDENEMSDKSKKQCKSPSRRDSYSDSSGSGEDDLVTAPANISNSTWSSALH

QTLSNMVSQAQSHHEAPKSQEDTICTMFYYPQKIPNKPEFEDSNPSPLPPDMAPGQSYQP

QSESASSSSMDKYHIHHISEPTRQENWTPLKNDLENHLEDFELEVELLITLIKSEKGSLG

FTVTKGNQRIGCYVHDVIQDPAKSDGRLKPGDRLIKVNDTDVTNMTHTDAVNLLRAASKT

VRLVIGRVLELPRIPMLPHLLPDITLTCNKEELGFSLCGGHDSLYQVVYISDINPRSVAA

IEGNLQLLDVIHYVNGVSTQGMTLEEVNRALDMSLPSLVLKATRNDLPVVPSSKRSAVSA

PKSTKGNGSYSVGSCSQPALTPNDSFSTVAGEEINEISYPKGKCSTYQIKGSPNLTLPKE

SYIQEDDIYDDSQEAEVIQSLLDVVDEEAQNLLNENNAAGYSCGPGTLKMNGKLSEERTE

DTDCDGSPLPEYFTEATKMNGCEEYCEEKVKSESLIQKPQEKKTDDDEITWGNDELPIER

TNHEDSDKDHSFLTNDELAVLPVVKVLPSGKYTGANLKSVIRVLRGLLDQGIPSKELENL

QELKPLDQCLIGQTKENRRKNRYKNILPYDATRVPLGDEGGYINASFIKIPVGKEEFVYI

ACQGPLPTTVGDFWQMIWEQKSTVIAMMTQEVEGEKIKCQRYWPNILGKTTMVSNRLRLA

LVRMQQLKGFVVRAMTLEDIQTREVRHISHLNFTAWPDHDTPSQPDDLLTFISYMRHIHR

SGPIITHCSAGIGRSGTLICIDVVLGLISQDLDFDISDLVRCMRLQRHGMVQTEDQYIFC

YQVILYVLTRLQAEEEQKQQPQLLK

>sp|P35998| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MPDYLGADQRKTKEDEKDDKPIRALDEGDIALLKTYGQSTYSRQIKQVEDDIQQLLKKIN

ELTGIKESDTGLAPPALWDLAADKQTLQSEQPLQVARCTKIINADSEDPKYIINVKQFAK

FVVDLSDQVAPTDIEEGMRVGVDRNKYQIHIPLPPKIDPTVTMMQVEEKPDVTYSDVGGC

KEQIEKLREVVETPLLHPERFVNLGIEPPKGVLLFGPPGTGKTLCARAVANRTDACFIRV

IGSELVQKYVGEGARMVRELFEMARTKKACLIFFDEIDAIGGARFDDGAGGDNEVQRTML

ELINQLDGFDPRGNIKVLMATNRPDTLDPALMRPGRLDRKIEFSLPDLEGRTHIFKIHAR

SMSVERDIRFELLARLCPNSTGAEIRSVCTEAGMFAIRARRKIATEKDFLEAVNKVIKSY

AKFSATPRYMTYN

>sp|P30044| [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Peroxisome matrix](https://www.uniprot.org/locations/SL-0202)

MGLAGVCALRRSAGYILVGGAGGQSAAAAARRYSEGEWASGGVRSFSRAAAAMAPIKVGD

AIPAVEVFEGEPGNKVNLAELFKGKKGVLFGVPGAFTPGCSKTHLPGFVEQAEALKAKGV

QVVACLSVNDAFVTGEWGRAHKAEGKVRLLADPTGAFGKETDLLLDDSLVSIFGNRRLKR

FSMVVQDGIVKALNVEPDGTGLTCSLAPNIISQL

>sp|P04156| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[GPI-anchor](https://www.uniprot.org/locations/SL-9902)

MANLGCWMLVLFVATWSDLGLCKKRPKPGGWNTGGSRYPGQGSPGGNRYPPQGGGGWGQP

HGGGWGQPHGGGWGQPHGGGWGQPHGGGWGQGGGTHSQWNKPSKPKTNMKHMAGAAAAGA

VVGGLGGYMLGSAMSRPIIHFGSDYEDRYYRENMHRYPNQVYYRPMDEYSNQNNFVHDCV

NITIKQHTVTTTTKGENFTETDVKMMERVVEQMCITQYERESQAYYQRGSSMVLFSSPPV

ILLISFLIFLIVG

>sp|P0C6T3|  [Single-pass type III membrane protein](https://www.uniprot.org/locations/SL-9907), [postsynaptic cell membrane](https://www.uniprot.org/locations/SL-0219), [synapse](https://www.uniprot.org/locations/SL-0258), [dendrite](https://www.uniprot.org/locations/SL-0283), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MVMSQGTYTFLTCFAGFWLIWGLIVLLCCFCSFLRRRLKRRQEERLREQNLRALELEPLE

LEGSLAGSPPGLAPPPPPHRSRLEAPVHAHSHVHVHPLLHHGPAQPHAHPHPHHHALPHP

PPSHLSVPPRPWSYPRQAESDMSKPPCYEEAVLMAEPPPPYSEVLTDTRGLYRKIVTPFL

SRRDSAEKQEQPPPSYKPLFLDRGYTSALHLPSAPRPAAPCPALCLQADRSRRVFPSWTD

SELSSREPLEHGAWRLPVSIPLFGRTTAV

>sp|Q2PJ68| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MGSMYYNESRMVRKDEVTCNVIIGDDKKTVVYALRIGNGPIMQKTFEEYERFFTTEKDMI

PATIFTAPKKKFLQADSKFYEKRRVWILVISQHLVDNNLRSEDVRRFFHLESPDDDENNV

DLGPSERKTATANDFDYLTTIGKGSFGRVYQVRHKETKKIYAMKILSKEHIRKKNEVKHV

MAERNVLINNFKHPFLVSLHFSFQNKEKLYFVLDHLNGGELFSHLQREKHFSESRSRFYA

AEIACALGYLHEKNIIYRDLKPENLLLDDKGYLVLTDFGLCKEDMQGSKTTSTFCGTPEY

LAPEIILKKPYDKTVDWWCLGSVLYEMIFGLPPFYSKDHNEMYDKIINQPLRLKHNISVP

CSELITGLLQKDRSKRLGHRNDFRDIRDHPFFLPVDWDKLLNRELKAPFIPKVKNAMDTS

NISKEFVEIQIDPSSLAPQQLAVTHRDHDFENFTFVDTNRVLV

>sp|O50393| [Secreted](https://www.uniprot.org/locations/SL-0243)，[Host cytoplasm](https://www.uniprot.org/locations/SL-0381)

MKARLPDSPLDWLVSKFAREVPGVAHALLVSVDGLPVAASEHLPRERADQLAAVTSGLAS

LAGGAAQLFDGGQVLQSVVEMQNGYLLLMQVGDGSALAALAATGCDIGQIGYEMAILVER

VGGVVQSCRR

>sp|Q99PI8| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [GPI-anchor](https://www.uniprot.org/locations/SL-9902), [dendrite](https://www.uniprot.org/locations/SL-0283), [axon](https://www.uniprot.org/locations/SL-0279)

MKRASSGGSRLLAWVLWLQAWRVATPCPGACVCYNEPKVTTSCPQQGLQAVPTGIPASSQ

RIFLHGNRISHVPAASFQSCRNLTILWLHSNALARIDAAAFTGLTLLEQLDLSDNAQLHV

VDPTTFHGLGHLHTLHLDRCGLRELGPGLFRGLAALQYLYLQDNNLQALPDNTFRDLGNL

THLFLHGNRIPSVPEHAFRGLHSLDRLLLHQNHVARVHPHAFRDLGRLMTLYLFANNLSM

LPAEVLMPLRSLQYLRLNDNPWVCDCRARPLWAWLQKFRGSSSEVPCNLPQRLADRDLKR

LAASDLEGCAVASGPFRPIQTSQLTDEELLSLPKCCQPDAADKASVLEPGRPASAGNALK

GRVPPGDTPPGNGSGPRHINDSPFGTLPSSAEPPLTALRPGGSEPPGLPTTGPRRRPGCS

RKNRTRSHCRLGQAGSGASGTGDAEGSGALPALACSLAPLGLALVLWTVLGPC

>sp|O75396| [Melanosome](https://www.uniprot.org/locations/SL-0161)

MVLLTMIARVADGLPLAASMQEDEQSGRDLQQYQSQAKQLFRKLNEQSPTRCTLEAGAMT

FHYIIEQGVCDLVLCEAAFPKTLAFAYLEDLHSEFDEQHGKKVPTVSRPYSFIEFDTFIQ

KTKKLYIDSCARRNLGSINTELQDVQRIMVANIEEVLQRGEALSALDSKANNLSSLSKKY

RQDAKYLNMHSTYAKLAAVAVFFIMLIVYVRFWWL

>sp|Q28728| [Membrane](https://www.uniprot.org/locations/SL-0162)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MESSTSSPQPPLSDPLDPFPQRSLEPGDIAVLVLYFLFVLAVGLWSTVKTKRDTVKGYFL

AGGDMVWWPVGASLFASNVGSGHFVGLAGSGAATGISVAAYEFNGMFSVLMLAWIFLPIY

IAGQVTTMPEYLRRRFGGSRIAITLAVLYLFIYIFTKISVDMYAGAIFIQQSLHLDLYLS

VVGLLAVTALYTVAGGLAAVIYTDALQTLIMLVGALTLMGYSFAAVGGMEGLQEKYFLAL

PSNRSENSSCGLPREDAFHLFRDPLTSDLPWPGILFGMSIPSLWYWCTDQVIVQRSLAAK

NLSHAKGGSLMAAYLKVLPLFIMVFPGMVSRILFPDQVACADPETCQRVCNNPSGCSDIA

YPKLVLELLPTGLRGLMMAVMVAALMSSLTSIFNSASTIFTMDLWNHVRPRASEKELMIV

GRVFVLLLVLVSVLWIPVVQASQGGQLFVYIQAISSYLQPPVAMVFVLGCFWKRANEKGA

FWGLVLGLLLGFIRLILDFIYVEPACHQPDERPSVVKNVHYLYFSMILSSVTVLTVTVMS

LLTEPPSKEMISHLTWFTRRDPVVQKAQVPAATPLPPALSHNGTAEANSASIQLETIQEG

ASKAHSSDVTPKQSRVVRALLWLCGMEGKSTEQAPRPAEPVLASIEENPVVKTLLDVNCL

LCICCAFFLWGYFA

>sp|Q9CTN5| [Chromosome](https://www.uniprot.org/locations/SL-0468)

MNDNLFVSLDRLLLEFVFQYEQDISIKEDTIQRINKCLESIKENKANVSKLREAINKVDE

DIAFHYKHSKEIKDSCSNWKPTCDVFHKHEDYIKDQLTAYQETNEKDKKMYHDYICQYED

VLKQYQLKYSETRFSCKYYEKKKEHEEIKNRVLACTEQLQLNETILMKFLVPAPFPSLTK

WTLYVVNLRYRTQDILKRANNFTKRSFELEKEADDMEIEINSLNKMARLFESKTFSEALD

EKNKNTEKRKEFEERIFEKDEQVSNRSSQNSQLLLPCESQKFVRNMNSSEARVTDKKEES

SANQSKFVRSDVRQKENNPQIFNDSGMDSNSKSSHIPAVKSSQGFMQFRLNQPNYNQRIE

KEHIDAECGDKETVRQVRESKCSTQALYIEHFGKSIENNSVEEERDENFPQTPETPSFLR

TPEALKTPESMEKMQFPKSPFFEITKNATSEGHKQKDSPGFSFLMSYTSRSPGLNLFDSS

VSDSEISSDQFNEHYSAVNLNPSSSQQGIGNLFGKSEGEDAFTFSFSSDSSHTFGAGKDD

FSFPFSFEQDPSTMTSSSSKDFSSSQNKTQFMFF

>sp|Q01163| [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MLRMSTSRFIGQRLFTTARSLQAAKPAPKGKTQGFSKKSSSVSSYSSAKRVTPGSLYKNW

TNTTHTAQLQQTAVPLALPIFNFDDISKTLNKVVSYSNKQYKSLHHLGSFKKSQFNELFQ

KPVCLVREDATNSFLKKLVSHPVKKFIITGEPGVGKTVLLSQAHAYAVDSKQIIINISYP

ELFLNGRNDFSYDDDLKLFIQPMYLKKLIRKILKANDPALLKSIELSKDYKFSNANPKNA

SVKPFVTLNKTKNTVLDLLSVMTHPHNRGKLMKAIIDELSVQSKVPIMFTVDNFSKVLTT

AYSAYRNTENKQIYSLDLQMGKLMMDIISGETKFANGESSTILAISGVDRTNKTLPVALG

KIPVDPYVTRYHYEPKFVELLQKGNVTEFEVPKLNKQEVNELIDYYKQSNVLLDKDITGK

KWENLIDEKYFLSGNGNPRELLKSLVLSHR

>sp|Q8N695| [Apical cell membrane](https://www.uniprot.org/locations/SL-0015),  [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MDTPRGIGTFVVWDYVVFAGMLVISAAIGIYYAFAGGGQQTSKDFLMGGRRMTAVPVALS

LTASFMSAVTVLGTPSEVYRFGAIFSIFAFTYFFVVVISAEVFLPVFYKLGITSTYEYLE

LRFNKCVRLCGTVLFIVQTILYTGIVIYAPALALNQVTGFDLWGAVVATGVVCTFYCTLG

GLKAVIWTDVFQVGIMVAGFASVIIQAVVMQGGISTILNDAYDGGRLNFWNFNPNPLQRH

TFWTIIIGGTFTWTSIYGVNQSQVQRYISCKSRFQAKLSLYINLVGLWAILTCSVFCGLA

LYSRYHDCDPWTAKKVSAPDQLMPYLVLDILQDYPGLPGLFVACAYSGTLSTVSSSINAL

AAVTVEDLIKPYFRSLSERSLSWISQGMSVVYGALCIGMAALASLMGALLQAALSVFGMV

GGPLMGLFALGILVPFANSIGALVGLMAGFAISLWVGIGAQIYPPLPERTLPLHLDIQGC

NSTYNETNLMTTTEMPFTTSVFQIYNVQRTPLMDNWYSLSYLYFSTVGTLVTLLVGILVS

LSTGGRKQNLDPRYILTKEDFLSNFDIFKKKKHVLSYKSHPVEDGGTDNPAFNHIELNSD

QSGKSNGTRL

>sp|Q14684| [nucleolus](https://www.uniprot.org/locations/SL-0188), [nucleoplasm](https://www.uniprot.org/locations/SL-0190), [Chromosome](https://www.uniprot.org/locations/SL-0468), [nucleoplasm](https://www.uniprot.org/locations/SL-0190)

MAPAMQPAEIQFAQRLASSEKGIRDRAVKKLRQYISVKTQRETGGFSQEELLKIWKGLFY

CMWVQDEPLLQEELANTIAQLVHAVNNSAAQHLFIQTFWQTMNREWKGIDRLRLDKYYML

IRLVLRQSFEVLKRNGWEESRIKVFLDVLMKEVLCPESQSPNGVRFHFIDIYLDELSKVG

GKELLADQNLKFIDPFCKIAAKTKDHTLVQTIARGVFEAIVDQSPFVPEETMEEQKTKVG

DGDLSAEEIPENEVSLRRAVSKKKTALGKNHSRKDGLSDERGRDDCGTFEDTGPLLQFDY

KAVADRLLEMTSRKNTPHFNRKRLSKLIKKFQDLSEGSSISQLSFAEDISADEDDQILSQ

GKHKKKGNKLLEKTNLEKEKGSRVFCVEEEDSESSLQKRRRKKKKKHHLQPENPGPGGAA

PSLEQNRGREPEASGLKALKARVAEPGAEATSSTGEESGSEHPPAVPMHNKRKRPRKKSP

RAHREMLESAVLPPEDMSQSGPSGSHPQGPRGSPTGGAQLLKRKRKLGVVPVNGSGLSTP

AWPPLQQEGPPTGPAEGANSHTTLPQRRRLQKKKAGPGSLELCGLPSQKTASLKKRKKMR

VMSNLVEHNGVLESEAGQPQALGSSGTCSSLKKQKLRAESDFVKFDTPFLPKPLFFRRAK

SSTATHPPGPAVQLNKTPSSSKKVTFGLNRNMTAEFKKTDKSILVSPTGPSRVAFDPEQK

PLHGVLKTPTSSPASSPLVAKKPLTTTPRRRPRAMDFF

>sp|Q13501| [cytosol](https://www.uniprot.org/locations/SL-0091), [Late endosome](https://www.uniprot.org/locations/SL-0152), [Lysosome](https://www.uniprot.org/locations/SL-0158), [autophagosome](https://www.uniprot.org/locations/SL-0023), [Nucleus](https://www.uniprot.org/locations/SL-0191),, [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095), [PML body](https://www.uniprot.org/locations/SL-0465)

MASLTVKAYLLGKEDAAREIRRFSFCCSPEPEAEAEAAAGPGPCERLLSRVAALFPALRP

GGFQAHYRDEDGDLVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRRDHRPPCAQEAPRN

MVHPNVICDGCNGPVVGTRYKCSVCPDYDLCSVCEGKGLHRGHTKLAFPSPFGHLSEGFS

HSRWLRKVKHGHFGWPGWEMGPPGNWSPRPPRAGEARPGPTAESASGPSEDPSVNFLKNV

GESVAAALSPLGIEVDIDVEHGGKRSRLTPVSPESSSTEEKSSSQPSSCCSDPSKPGGNV

EGATQSLAEQMRKIALESEGRPEEQMESDNCSGGDDDWTHLSSKEVDPSTGELQSLQMPE

SEGPSSLDPSQEGPTGLKEAALYPHLPPEADPRLIESLSQMLSMGFSDEGGWLTRLLQTK

NYDIGAALDTIQYSKHPPPL

>sp|Q7L523| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Lysosome](https://www.uniprot.org/locations/SL-0158)

MPNTAMKKKVLLMGKSGSGKTSMRSIIFANYIARDTRRLGATIDVEHSHVRFLGNLVLNL

WDCGGQDTFMENYFTSQRDNIFRNVEVLIYVFDVESRELEKDMHYYQSCLEAILQNSPDA

KIFCLVHKMDLVQEDQRDLIFKEREEDLRRLSRPLECACFRTSIWDETLYKAWSSIVYQL

IPNVQQLEMNLRNFAQIIEADEVLLFERATFLVISHYQCKEQRDVHRFEKISNIIKQFKL

SCSKLAASFQSMEVRNSNFAAFIDIFTSNTYVMVVMSDPSIPSAATLINIRNARKHFEKL

ERVDGPKHSLLMR

>sp|P13609| [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281), [extracellular space](https://www.uniprot.org/locations/SL-0112)

MQVPVGSRLVLALAFVLVWGSSVQGYPARRARYQWVRCKPNGFFANCIEEKGPQFDLIDE

SNNIGPPMNNPVLMEGPSKDFISNYDDYGSGSGSGSGSGSGSGSGSGSGFLGDMEWEYQP

TDESNIVYFNYKPFDRILTEQNQDQPEDDFII

>sp|Q9WTN3| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134)， [COPII-coated vesicle membrane](https://www.uniprot.org/locations/SL-0078)，

MDELAFGEAALEQTLAEMCELDTAVLNDIEDMLQLINNQDSDFPGLFDAPYAGGETGDTG

PSSPGANSPESFSSASLASSLEAFLGGPKVTPAPLSPPPSAPAALKMYPSVSPFSPGPGI

KEEPVPLTILQPAAPQPSPGTLLPPSFPAPPVQLSPAPVLGYSSLPSGFSGTLPGNTQQP

PSSLPLAPAPGVLPTPALHTQVQSLASQQPLPASAAPRTNTVTSQVQQVPVVLQPHFIKA

DSLLLTAVKTDAGATVKTAGISTLAPGTAVQAGPLQTLVSGGTILATVPLVVDTDKLPIH

RLAAGSKALGSAQSRGEKRTAHNAIEKRYRSSINDKIVELKDLVVGTEAKLNKSAVLRKA

IDYIRFLQHSNQKLKQENLTLRSAHKSKSLKDLVSACGSGGGTDVSMEGMKPEVVETLTP

PPSDAGSPSQSSPLSFGSRASSSGGSDSEPDSPAFEDSQVKAQRLPSHSRGMLDRSRLAL

CVLAFLCLTCNPLASLFGWGILTPSDATGTHRSSGRSMLEAESRDGSNWTQWLLPPLVWL

ANGLLVLACLALLFVYGEPVTRPHSGPAVHFWRHRKQADLDLARGDFPQAAQQLWLALQA

LGRPLPTSNLDLACSLLWNLIRHLLQRLWVGRWLAGQAGGLLRDRGLRKDARASARDAAV

VYHKLHQLHAMGKYTGGHLAASNLALSALNLAECAGDAISMATLAEIYVAAALRVKTSLP

RALHFLTRFFLSSARQACLAQSGSVPLAMQWLCHPVGHRFFVDGDWAVHGAPPESLYSVA

GNPVDPLAQVTRLFREHLLERALNCIAQPSPGAADGDREFSDALGYLQLLNSCSDAAGAP

ACSFSVSSSMAATTGPDPVAKWWASLTAVVIHWLRRDEEAAERLYPLVEHIPQVLQDTER

PLPRAALYSFKAARALLDHRKVESSPASLAICEKASGYLRDSLASTPTGSSIDKAMQLLL

CDLLLVARTSLWQRQQSPASVQVAHGTSNGPQASALELRGFQHDLSSLRRLAQSFRPAMR

RVFLHEATARLMAGASPARTHQLLDRSLRRRAGSSGKGGTTAELEPRPTWREHTEALLLA

SCYLPPAFLSAPGQRMSMLAEAARTVEKLGDHRLLLDCQQMLLRLGGGTTVTSS

>sp|P12931| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168) [Nucleus](https://www.uniprot.org/locations/SL-0191), [cytoskeleton](https://www.uniprot.org/locations/SL-0090), [perinuclear region](https://www.uniprot.org/locations/SL-0198)

MGSNKSKPKDASQRRRSLEPAENVHGAGGGAFPASQTPSKPASADGHRGPSAAFAPAAAE

PKLFGGFNSSDTVTSPQRAGPLAGGVTTFVALYDYESRTETDLSFKKGERLQIVNNTEGD

WWLAHSLSTGQTGYIPSNYVAPSDSIQAEEWYFGKITRRESERLLLNAENPRGTFLVRES

ETTKGAYCLSVSDFDNAKGLNVKHYKIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGL

CHRLTTVCPTSKPQTQGLAKDAWEIPRESLRLEVKLGQGCFGEVWMGTWNGTTRVAIKTL

KPGTMSPEAFLQEAQVMKKLRHEKLVQLYAVVSEEPIYIVTEYMSKGSLLDFLKGETGKY

LRLPQLVDMAAQIASGMAYVERMNYVHRDLRAANILVGENLVCKVADFGLARLIEDNEYT

ARQGAKFPIKWTAPEAALYGRFTIKSDVWSFGILLTELTTKGRVPYPGMVNREVLDQVER

GYRMPCPPECPESLHDLMCQCWRKEPEERPTFEYLQAFLEDYFTSTEPQYQPGENL

>sp|O15318| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MAGNKGRGRAAYTFNIEAVGFSKGEKLPDVVLKPPPLFPDTDYKPVPLKTGEGEEYMLAL

KQELRETMKRMPYFIETPEERQDIERYSKRYMKVYKEEWIPDWRRLPREMMPRNKCKKAG

PKPKKAKDAGKGTPLTNTEDVLKKMEELEKRGDGEKSDEENEEKEGSKEKSKEGDDDDDD

DAAEQEEYDEEEQEEENDYINSYFEDGDDFGADSDDNMDEATY

>sp|P24928| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MHGGGPPSGDSACPLRTIKRVQFGVLSPDELKRMSVTEGGIKYPETTEGGRPKLGGLMDP

RQGVIERTGRCQTCAGNMTECPGHFGHIELAKPVFHVGFLVKTMKVLRCVCFFCSKLLVD

SNNPKIKDILAKSKGQPKKRLTHVYDLCKGKNICEGGEEMDNKFGVEQPEGDEDLTKEKG

HGGCGRYQPRIRRSGLELYAEWKHVNEDSQEKKILLSPERVHEIFKRISDEECFVLGMEP

RYARPEWMIVTVLPVPPLSVRPAVVMQGSARNQDDLTHKLADIVKINNQLRRNEQNGAAA

HVIAEDVKLLQFHVATMVDNELPGLPRAMQKSGRPLKSLKQRLKGKEGRVRGNLMGKRVD

FSARTVITPDPNLSIDQVGVPRSIAANMTFAEIVTPFNIDRLQELVRRGNSQYPGAKYII

RDNGDRIDLRFHPKPSDLHLQTGYKVERHMCDGDIVIFNRQPTLHKMSMMGHRVRILPWS

TFRLNLSVTTPYNADFDGDEMNLHLPQSLETRAEIQELAMVPRMIVTPQSNRPVMGIVQD

TLTAVRKFTKRDVFLERGEVMNLLMFLSTWDGKVPQPAILKPRPLWTGKQIFSLIIPGHI

NCIRTHSTHPDDEDSGPYKHISPGDTKVVVENGELIMGILCKKSLGTSAGSLVHISYLEM

GHDITRLFYSNIQTVINNWLLIEGHTIGIGDSIADSKTYQDIQNTIKKAKQDVIEVIEKA

HNNELEPTPGNTLRQTFENQVNRILNDARDKTGSSAQKSLSEYNNFKSMVVSGAKGSKIN

ISQVIAVVGQQNVEGKRIPFGFKHRTLPHFIKDDYGPESRGFVENSYLAGLTPTEFFFHA

MGGREGLIDTAVKTAETGYIQRRLIKSMESVMVKYDATVRNSINQVVQLRYGEDGLAGES

VEFQNLATLKPSNKAFEKKFRFDYTNERALRRTLQEDLVKDVLSNAHIQNELEREFERMR

EDREVLRVIFPTGDSKVVLPCNLLRMIWNAQKIFHINPRLPSDLHPIKVVEGVKELSKKL

VIVNGDDPLSRQAQENATLLFNIHLRSTLCSRRMAEEFRLSGEAFDWLLGEIESKFNQAI

AHPGEMVGALAAQSLGEPATQMTLNTFHYAGVSAKNVTLGVPRLKELINISKKPKTPSLT

VFLLGQSARDAERAKDILCRLEHTTLRKVTANTAIYYDPNPQSTVVAEDQEWVNVYYEMP

DFDVARISPWLLRVELDRKHMTDRKLTMEQIAEKINAGFGDDLNCIFNDDNAEKLVLRIR

IMNSDENKMQEEEEVVDKMDDDVFLRCIESNMLTDMTLQGIEQISKVYMHLPQTDNKKKI

IITEDGEFKALQEWILETDGVSLMRVLSEKDVDPVRTTSNDIVEIFTVLGIEAVRKALER

ELYHVISFDGSYVNYRHLALLCDTMTCRGHLMAITRHGVNRQDTGPLMKCSFEETVDVLM

EAAAHGESDPMKGVSENIMLGQLAPAGTGCFDLLLDAEKCKYGMEIPTNIPGLGAAGPTG

MFFGSAPSPMGGISPAMTPWNQGATPAYGAWSPSVGSGMTPGAAGFSPSAASDASGFSPG

YSPAWSPTPGSPGSPGPSSPYIPSPGGAMSPSYSPTSPAYEPRSPGGYTPQSPSYSPTSP

SYSPTSPSYSPTSPNYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSP

TSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPSYSPTSPS

YSPTSPNYSPTSPNYTPTSPSYSPTSPSYSPTSPNYTPTSPNYSPTSPSYSPTSPSYSPT

SPSYSPSSPRYTPQSPTYTPSSPSYSPSSPSYSPASPKYTPTSPSYSPSSPEYTPTSPKY

SPTSPKYSPTSPKYSPTSPTYSPTTPKYSPTSPTYSPTSPVYTPTSPKYSPTSPTYSPTS

PKYSPTSPTYSPTSPKGSTYSPTSPGYSPTSPTYSLTSPAISPDDSDEEN

>sp|Q18237| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MASQDSDEALPANYKDYPDGSLLRVVFHNFLTYEHTSFLPTASLNMILGHNGSGKSSIIC

GICLACGGSPKSLGRSERIVEYIRHGCTEGYVEIAIADKQKGPQVVRLTIRVGEQPKYRL

NDSATTQSEIADLRKHYNIQIDNPCAFLAQDKVKSFSEQSSIELLRNTEKAASADLDQQH

IDLMKQREDSTSIEDKCTTSENAIKRLEDEIGKIMPLVENYRKKLALQSKLRLLEKKMKI

MEFEKFDREYKAELQNMDGAMIEYREVEKSIAECEKHRKNLEDRIKKDRSQISQMQRSCN

EILAKVQEKGDKKLMEDMMQRAKAKLESAKKAADQHEKDVEKARKMIDQARARLQEAVDT

LNGYEEFQSEMKSLEQKYSTAERDSRQEEDAIQKKSYEMRQLENKKRDEEQNSQLNRQDR

YRVLQNFSSDASKAYRWYQQNRSQFKGDVYMPIMDMVLKTPEAAKALENSVGVRDRTMFV

CCYKEDELLINGKQHSWRINTSVVPAEKIYSEDIDAQLPSELSRLGFKYLVSNCFDAPAP

LKQFLCNVSGLNRIPFGGSDVEKKIAEVSQAIEQTRYSVFLTANIRCQNSKSRYANNTLQ

SQSATREANTWRDQFFKVSPVAKRTDNSILEEIQKLKAEIDIRSEQLREKRGAIQKERDV

LRQEQMQWKSKKQVHTKWKTELASEMAKLEALENEVVDISAIEEEYANVEKKAILETKKM

LENSIRWHKEIIDKHRLIGIFELSESICKSRVNKSNSEAETHRSKLEDLKSVKDAAEDLL

KTALNHKKAAASALMKECSLKTLDESKMSPAENKIYSSLVKMFEEADVPTDMNTLDQAIT

SEKTRLKLAEDSGEDGSIVHEQRLKVLDDDLVLEKTRQEKLIENRARIHDKLGDEINNWR

KEVETMIEQINVNYVQFFDSLGCRGEVSLEVPENPLDIEKYGIMIMVCFRKGESMKRLDN

KVQSGGERSVATMLYLLALQQLCPVPFRCIDEINQGMDPTNERKVFDIMVGMWNGTTGTL

SKTQYFLLSPKLLHGLDMRENVNIVMVNSTLTNSHGKHYDTSAKIDATFAKMGISA

>sp|Q9P289| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Golgi apparatus](https://www.uniprot.org/locations/SL-0132)

MAHSPVAVQVPGMQNNIADPEELFTKLERIGKGSFGEVFKGIDNRTQQVVAIKIIDLEEA

EDEIEDIQQEITVLSQCDSSYVTKYYGSYLKGSKLWIIMEYLGGGSALDLLRAGPFDEFQ

IATMLKEILKGLDYLHSEKKIHRDIKAANVLLSEQGDVKLADFGVAGQLTDTQIKRNTFV

GTPFWMAPEVIQQSAYDSKADIWSLGITAIELAKGEPPNSDMHPMRVLFLIPKNNPPTLV

GDFTKSFKEFIDACLNKDPSFRPTAKELLKHKFIVKNSKKTSYLTELIDRFKRWKAEGHS

DDESDSEGSDSESTSRENNTHPEWSFTTVRKKPDPKKVQNGAEQDLVQTLSCLSMIITPA

FAELKQQDENNASRNQAIEELEKSIAVAEAACPGITDKMVKKLIEKFQKCSADESP

>sp|Q6EZC3| [Secreted](https://www.uniprot.org/locations/SL-0243), [host cytosol](https://www.uniprot.org/locations/SL-0384), [Host endoplasmic reticulum lumen](https://www.uniprot.org/locations/SL-0389)

MTIKRFFVCAGIMGCLSLNPAMAEWTGDARDGMFSGVVITQFHTGQIDNKPYFCIEGKQS

AGSSISACSMKNSSVWGASFSTLYNQALYFYTTGQPVRIYYKPGVWTYPPFVKALTSNAL

VGLSTCTTSTECFGPDRKKNS

>sp|P14373| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [PML body](https://www.uniprot.org/locations/SL-0465), [Early endosome](https://www.uniprot.org/locations/SL-0094)

MASGSVAECLQQETTCPVCLQYFAEPMMLDCGHNICCACLARCWGTAETNVSCPQCRETF

PQRHMRPNRHLANVTQLVKQLRTERPSGPGGEMGVCEKHREPLKLYCEEDQMPICVVCDR

SREHRGHSVLPLEEAVEGFKEQIQNQLDHLKRVKDLKKRRRAQGEQARAELLSLTQMERE

KIVWEFEQLYHSLKEHEYRLLARLEELDLAIYNSINGAITQFSCNISHLSSLIAQLEEKQ

QQPTRELLQDIGDTLSRAERIRIPEPWITPPDLQEKIHIFAQKCLFLTESLKQFTEKMQS

DMEKIQELREAQLYSVDVTLDPDTAYPSLILSDNLRQVRYSYLQQDLPDNPERFNLFPCV

LGSPCFIAGRHYWEVEVGDKAKWTIGVCEDSVCRKGGVTSAPQNGFWAVSLWYGKEYWAL

TSPMTALPLRTPLQRVGIFLDYDAGEVSFYNVTERCHTFTFSHATFCGPVRPYFSLSYSG

GKSAAPLIICPMSGIDGFSGHVGNHGHSMETSP

>sp|P34708| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MMAPSTEDPDTVVEAQRRGSFSKKKNANGWNKVELVDQCAKQMGSEDKQPGGGDVKTEND

PSKNGLGSATSNFIQSSVPPSHQTLSNPLQLSPPAEASVAQQSGASQVFPTFQAALGASS

DELLQPNATSSSTSSSASTSSIVPVVKFTNQTAPNGSTVATSVGQNVRLTINGKRVGRPP

GTFKRPQNNAANSSNSGNDSDMMGDHDLTCRWKSCNSSFQTLKALVDHVQESHVQSTEQE

HHAWRCEWEGCDRNETFKALYMLIVHVRRHTGEKPNKCEYPGCGKEYSRLENLKTHRRTH

TGEKPYKCEFADCEKAFSNASDRAKHQNRTHSNLKPYSCQIPQCTKSYTDPSSLRKHIKA

VHGDDEYEKAKKSRPANYSNRRRPDHRLAPPTGAMSHPYLATPNSGASVVAHSSVHQQNF

INMALAQHHHNAQRAQQLMAATGNVMPMMDPASAAAAAQAQAHHQAQAQMLQTHMMQQAQ

IQAAAQMQAQVQHQAAMQAHAMQQAQMVLQNNLLGAQSLLSPFSPLLPPSRAPNVMAMLQ

TPPTPTSVAPMFDIMTSRAPMAPVVSAPTAPAPLVPAPVPASPVFDELREQMREVEPLQQ

QQQQEPMDQDLQDIRVDGDSDDEDEEEPRTPSGALLLPRGGNNGDGGFGGSGSSRASSGS

GTMELSAAPISQNGSRASGSGERGMRSFLIADILQLAADFQNERLLSDVLDLAIFDTRDV

RSLHNIYQVYIRAHKAIPITRRPLDWNETHQLHNLYHDPRFNRAEHQDSPAIRDRDTRFW

RTIAEANTMRQRQIEPVPLDDDDEGYFDEMVHRVQNGRLNEQFMEGFESDDDDGFEDEDD

VPGLGIAVYRGRRRVRREALKQANLDIQEAETAGRNVGGFGDEEDRNNRGHDQDRSFLDH

YYPPMVVVVETESPQIVRDQEMMRQFEEAKKNVETDEIKKRAEAMQFGTSSSHHHTKTLL

IQRALFDKTSSVRRSLLQFITISVDQEELRQSCHATSAPQGAHVVHNVVDEFDSIMRAQE

DSNNRILLSLDIPAPSAVTGVSGSITHADNSALQLQQEQPTSSFSSWFPEDDPIYALPPP

PPPPAPPRRRRSADNKDDSENIPKKPRHQF

>sp|Q60803| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Endosome](https://www.uniprot.org/locations/SL-0101)

MESSKKMDAAGTLQPNPPLKLQPDRGAGSVLVPEQGGYKEKFVKTVEDKYKCEKCRLVLC

NPKQTECGHRFCESCMAALLSSSSPKCTACQESIIKDKVFKDNCCKREILALQVYCRNEG

RGCAEQLTLGHLLVHLKNECQFEELPCLRADCKEKVLRKDLRDHVEKACKYREATCSHCK

SQVPMIKLQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCVF

QGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEIE

IERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNRV

TELESVDKSAGQAARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIWK

IRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRGE

YDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQT

VLENGTYIKDDTIFIKVIVDTSDLPDP

>sp|Q9N5K3| [Chromosome](https://www.uniprot.org/locations/SL-0468)

MSFPTLQVRPNEKNPKVLRCHEFLRQSNQLVERNMINTEGRKMLAKLLTKMVSEAKGIYA

LDERRAELAKSGKLQEKLKSAYQTSLTVMEDRLHIAELSRQVQEKKLTVQQKYYECDDLR

KSVQETNTEARRVQEINEQRLVDTTRATEELIVKSASILKNLENSSDVHKLRAMEEEKRI

LEEVVEGLRDQKKCLADDIRTKKATLKAESKKSFEKTVIECAKHYKLHQSLMPKLDKSKR

SLETLKDEEENRRICGSLSLDETMQFDRSFILASMDKTNKPEKAVQQLTSKSSEVSITPQ

ISETAKSSFSKEPIPTQHPMEVGEEPVIEHSAEESVHIEPPNVTEIREVVPQITIQPTRQ

DSVVQRDAEELDTSAVPSPQPESILDEPEEEEEELSNHENHADQSMDVMEVDQEVPEESP

MEVGEQEEIEQPSVFKDILATEQAALSQEQEPEIVEKQADNDVQFVDDQQVGAQLDVEDE

EEVMSENGSNKSNNFSFNFFGNSKGTSAGEGGGEGNFDFNFDGIGAGDDGSNNGGSTGDL

DFLNYDGEDEGKGSGNTQSDPFGFASNGNAAGGGGDGSFNFNFDGDGEGGATSGAGGNST

SFFNF

>sp|Q9VYV3| [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095)，[Cell surface](https://www.uniprot.org/locations/SL-0310)

MLTRSILSVAVCGLLLSPLLPITRASQEEDTGKQDKQFTVELDPETFDTAIAGGNVFVKF

FAPWCGHCKRIQPLWEQLAEIMNVDNPKVIIAKVDCTKHQGLCATHQVTGYPTLRLFKLG

EEESVKFKGTRDLPAITDFINKELSAPAEADLGEVKREQVENLNIGKVVDLTEDTFAKHV

STGNHFVKFFAPWCSHCQRLAPTWEDLAKELIKEPTVTISKIDCTQFRSICQDFEVKGYP

TLLWIEDGKKIEKYSGARDLSTLKTYVEKMVGVPLEKTAGEAGDEKVVIEEVAGEEDAAK

KLTPQQLTGEDEFDQAIAEGVAFIKFYAPWCGHCQKLQPTWEQLATETHQAQSSVKIAKV

DCTAPENKQVCIDQQVEGYPTLFLYKNGQRQNEYEGSRSLPELQAYLKKFLGHDEL

>sp|Q9UBK9| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [centrosome](https://www.uniprot.org/locations/SL-0048), [spindle pole](https://www.uniprot.org/locations/SL-0448)

MATPPKRRAVEATGEKVLRYETFISDVLQRDLRKVLDHRDKVYEQLAKYLQLRNVIERLQ

EAKHSELYMQVDLGCNFFVDTVVPDTSRIYVALGYGFFLELTLAEALKFIDRKSSLLTEL

SNSLTKDSMNIKAHIHMLLEGLRELQGLQNFPEKPHH

>sp|P35916| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Secreted](https://www.uniprot.org/locations/SL-0243) [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MQRGAALCLRLWLCLGLLDGLVSGYSMTPPTLNITEESHVIDTGDSLSISCRGQHPLEWA

WPGAQEAPATGDKDSEDTGVVRDCEGTDARPYCKVLLLHEVHANDTGSYVCYYKYIKARI

EGTTAASSYVFVRDFEQPFINKPDTLLVNRKDAMWVPCLVSIPGLNVTLRSQSSVLWPDG

QEVVWDDRRGMLVSTPLLHDALYLQCETTWGDQDFLSNPFLVHITGNELYDIQLLPRKSL

ELLVGEKLVLNCTVWAEFNSGVTFDWDYPGKQAERGKWVPERRSQQTHTELSSILTIHNV

SQHDLGSYVCKANNGIQRFRESTEVIVHENPFISVEWLKGPILEATAGDELVKLPVKLAA

YPPPEFQWYKDGKALSGRHSPHALVLKEVTEASTGTYTLALWNSAAGLRRNISLELVVNV

PPQIHEKEASSPSIYSRHSRQALTCTAYGVPLPLSIQWHWRPWTPCKMFAQRSLRRRQQQ

DLMPQCRDWRAVTTQDAVNPIESLDTWTEFVEGKNKTVSKLVIQNANVSAMYKCVVSNKV

GQDERLIYFYVTTIPDGFTIESKPSEELLEGQPVLLSCQADSYKYEHLRWYRLNLSTLHD

AHGNPLLLDCKNVHLFATPLAASLEEVAPGARHATLSLSIPRVAPEHEGHYVCEVQDRRS

HDKHCHKKYLSVQALEAPRLTQNLTDLLVNVSDSLEMQCLVAGAHAPSIVWYKDERLLEE

KSGVDLADSNQKLSIQRVREEDAGRYLCSVCNAKGCVNSSASVAVEGSEDKGSMEIVILV

GTGVIAVFFWVLLLLIFCNMRRPAHADIKTGYLSIIMDPGEVPLEEQCEYLSYDASQWEF

PRERLHLGRVLGYGAFGKVVEASAFGIHKGSSCDTVAVKMLKEGATASEHRALMSELKIL

IHIGNHLNVVNLLGACTKPQGPLMVIVEFCKYGNLSNFLRAKRDAFSPCAEKSPEQRGRF

RAMVELARLDRRRPGSSDRVLFARFSKTEGGARRASPDQEAEDLWLSPLTMEDLVCYSFQ

VARGMEFLASRKCIHRDLAARNILLSESDVVKICDFGLARDIYKDPDYVRKGSARLPLKW

MAPESIFDKVYTTQSDVWSFGVLLWEIFSLGASPYPGVQINEEFCQRLRDGTRMRAPELA

TPAIRRIMLNCWSGDPKARPAFSELVEILGDLLQGRGLQEEEEVCMAPRSSQSSEEGSFS

QVSTMALHIAQADAEDSPPSLQRHSLAARYYNWVSFPGCLARGAETRGSSRMKTFEEFPM

TPTTYKGSVDNQTDSGMVLASEEFEQIESRHRQESGFSCKGPGQNVAVTRAHPDSQGRRR

RPERGARGGQVFYNSEYGELSEPSEEDHCSPSARVTFFTDNSY

>sp|P46937| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MDPGQQPPPQPAPQGQGQPPSQPPQGQGPPSGPGQPAPAATQAAPQAPPAGHQIVHVRGD

SETDLEALFNAVMNPKTANVPQTVPMRLRKLPDSFFKPPEPKSHSRQASTDAGTAGALTP

QHVRAHSSPASLQLGAVSPGTLTPTGVVSGPAATPTAQHLRQSSFEIPDDVPLPAGWEMA

KTSSGQRYFLNHIDQTTTWQDPRKAMLSQMNVTAPTSPPVQQNMMNSASGPLPDGWEQAM

TQDGEIYYINHKNKTTSWLDPRLDPRFAMNQRISQSAPVKQPPPLAPQSPQGGVMGGSNS

NQQQQMRLQQLQMEKERLRLKQQELLRQAMRNINPSTANSPKCQELALRSQLPTLEQDGG

TQNPVSSPGMSQELRTMTTNSSDPFLNSGTYHSRDESTDSGLSMSSYSVPRTPDDFLNSV

DEMDTGDTINQSTLPSQQNRFPDYLEAIPGTNVDLGTLEGDGMNIEGEELMPSLQEALSS

DILNDMESVLAATKLDKESFLTWL

>sp|Q9Y2N7| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086),

MALGLQRARSTTELRKEKSRDAARSRRSQETEVLYQLAHTLPFARGVSAHLDKASIMRLT

ISYLRMHRLCAAGEWNQVGAGGEPLDACYLKALEGFVMVLTAEGDMAYLSENVSKHLGLS

QLELIGHSIFDFIHPCDQEELQDALTPQQTLSRRKVEAPTERCFSLRMKSTLTSRGRTLN

LKAATWKVLNCSGHMRAYKPPAQTSPAGSPDSEPPLQCLVLICEAIPHPGSLEPPLGRGA

FLSRHSLDMKFTYCDDRIAEVAGYSPDDLIGCSAYEYIHALDSDAVSKSIHTLLSKGQAV

TGQYRFLARSGGYLWTQTQATVVSGGRGPQSESIVCVHFLISQVEETGVVLSLEQTEQHS

RRPIQRGAPSQKDTPNPGDSLDTPGPRILAFLHPPSLSEAALAADPRRFCSPDLRRLLGP

ILDGASVAATPSTPLATRHPQSPLSADLPDELPVGTENVHRLFTSGKDTEAVETDLDIAQ

DADALDLEMLAPYISMDDDFQLNASEQLPRAYHRPLGAVPRPRARSFHGLSPPALEPSLL

PRWGSDPRLSCSSPSRGDPSASSPMAGARKRTLAQSSEDEDEGVELLGVRPPKRSPSPEH

ENFLLFPLSLSFLLTGGPAPGSLQDPSTPLLNLNEPLGLGPSLLSPYSDEDTTQPGGPFQ

PRAGSAQAD

>sp|Q9D5T7| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468) [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MATMQLQRTASLSALVFPNKISTEHQSLMFVKRLLAVSVSCITYLRGIFPERAYGTRYLD

DLCVKILKEDKNCPGSSQLVKWMLGCYDALQKKYLRMIILAVYTNPGDPQTISECYQFKF

KYTKNGPIMDFISKNQNNKSSTTSADTKKASILLIRKIYVLMQNLGPLPNDVCLTMKLFY

YDEVTPPDYQPPGFKDGDCEGVIFDGDPTYLNVGEVPTPFHTFRLKVTTEKERMENIDST

ILKPKESKTQFEKILMDKDDVEDENHNNFDIKTKMNEQNENSGASEIKEPNLDCKEEETM

QFKKSQSPSISHCQVEQLVSKTSELDVSESKTRSGKIFQSKMVNGNNQQGQTSKENRKRS

LRQFRKTVLHVLESSQESVLKKRRVSEPKEHT

>sp|Q8VEK3| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MSSSPVNVKKLKVSELKEELKKRRLSDKGLKADLMDRLQAALDNEAGGRPAMEPGNGSLD

LGGDAAGRSGAGLEQEAAAGAEDDEEEEGIAALDGDQMELGEENGAAGAADAGAMEEEEA

ASEDENGDDQGFQEGEDELGDEEEGAGDENGHGEQQSQPPAAAAQQQPSQQRGAGKEAAG

KSSGPTSLFAVTVAPPGARQGQQQAGGDGKTEQKGGDKKRGVKRPREDHGRGYFEYIEEN

KYSRAKSPQPPVEEEDEHFDDTVVCLDTYNCDLHFKISRDRLSASSLTMESFAFLWAGGR

ASYGVSKGKVCFEMKVTEKIPVRHLYTKDIDIHEVRIGWSLTTSGMLLGEEEFSYGYSLK

GIKTCNCETEDYGEKFDENDVITCFANFETDEVELSYAKNGQDLGVAFKISKEVLADRPL

FPHVLCHNCAVEFNFGQKEKPYFPIPEDCTFIQNVPLEDRVRGPKGPEEKKDCEVVMMIG

LPGAGKTTWVTKHAAENPGKYNILGTNTIMDKMMVAGFKKQMADTGKLNTLLQRAPQCLG

KFIEIAARKKRNFILDQTNVSAAAQRRKMCLFAGFQRKAVVVCPKDEDYKQRTQKKAEVE

GKDLPEHAVLKMKGNFTLPEVAECFDEITYVELQKEEAQKLLEQYKEESKKALPPEKKQN

TGSKKSNKNKSGKNQFNRGGGHRGRGGFNMRGGNFRGGAPGNRGGYNRRGNMPQRGGGGG

SGGIGYPYPRGPVFPGRGGYSNRGNYNRGGMPNRGNYNQNFRGRGNNRGYKNQSQGYNQW

QQGQFWGQKPWSQHYHQGYY

>sp|P10238| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)，[Host nucleus](https://www.uniprot.org/locations/SL-0414)

MATDIDMLIDLGLDLSDSDLDEDPPEPAESRRDDLESDSSGECSSSDEDMEDPHGEDGPE

PILDAARPAVRPSRPEDPGVPSTQTPRPTERQGPNDPQPAPHSVWSRLGARRPSCSPEQH

GGKVARLQPPPTKAQPARGGRRGRRRGRGRGGPGAADGLSDPRRRAPRTNRNPGGPRPGA

GWTDGPGAPHGEAWRGSEQPDPPGGQRTRGVRQAPPPLMTLAIAPPPADPRAPAPERKAP

AADTIDATTRLVLRSISERAAVDRISESFGRSAQVMHDPFGGQPFPAANSPWAPVLAGQG

GPFDAETRRVSWETLVAHGPSLYRTFAGNPRAASTAKAMRDCVLRQENFIEALASADETL

AWCKMCIHHNLPLRPQDPIIGTTAAVLDNLATRLRPFLQCYLKARGLCGLDELCSRRRLA

DIKDIASFVFVILARLANRVERGVAEIDYATLGVGVGEKMHFYLPGACMAGLIEILDTHR

QECSSRVCELTASHIVAPPYVHGKYFYCNSLF

>sp|Q14164| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[PML body](https://www.uniprot.org/locations/SL-0465)

MQSTANYLWHTDDLLGQGATASVYKARNKKSGELVAVKVFNTTSYLRPREVQVREFEVLR

KLNHQNIVKLFAVEETGGSRQKVLVMEYCSSGSLLSVLESPENAFGLPEDEFLVVLRCVV

AGMNHLRENGIVHRDIKPGNIMRLVGEEGQSIYKLTDFGAARELDDDEKFVSVYGTEEYL

HPDMYERAVLRKPQQKAFGVTVDLWSIGVTLYHAATGSLPFIPFGGPRRNKEIMYRITTE

KPAGAIAGAQRRENGPLEWSYTLPITCQLSLGLQSQLVPILANILEVEQAKCWGFDQFFA

ETSDILQRVVVHVFSLSQAVLHHIYIHAHNTIAIFQEAVHKQTSVAPRHQEYLFEGHLCV

LEPSVSAQHIAHTTASSPLTLFSTAIPKGLAFRDPALDVPKFVPKVDLQADYNTAKGVLG

AGYQALRLARALLDGQELMFRGLHWVMEVLQATCRRTLEVARTSLLYLSSSLGTERFSSV

AGTPEIQELKAAAELRSRLRTLAEVLSRCSQNITETQESLSSLNRELVKSRDQVHEDRSI

QQIQCCLDKMNFIYKQFKKSRMRPGLGYNEEQIHKLDKVNFSHLAKRLLQVFQEECVQKY

QASLVTHGKRMRVVHETRNHLRLVGCSVAACNTEAQGVQESLSKLLEELSHQLLQDRAKG

AQASPPPIAPYPSPTRKDLLLHMQELCEGMKLLASDLLDNNRIIERLNRVPAPPDV

>sp|Q6PDM4| [Chromosome](https://www.uniprot.org/locations/SL-0468)

MNFNVWNVKEMLSIPSGSGITKPSNWNNNQTDCSLSDSQFLFGSQFCPENSETLLPSLDA

GACLRHPKQTQQNSVDSEPSIFIKYQAKPQLLGGDTKDESLFSLPLPVGKSKGLSKQFEE

KKRRATDQSDSETLHSFVSHFPEVINKLQTSVEKTEENLSSRSQSILDSVETIAKTFQET

ARVQHDLMVESVRDKGSMEQAILEIQRTCAARQAEFMEMKSTLKNLEVLVVEQTKNLQQF

CDNLSQLIVPGILEELKKFTSVPQVAGHLKDSTSQTSPSLTQSLHFTRQEKHPSEEPATW

QAQEAPAGNPSTSSQRPGECGVWDEGAESGVFQKAALPTDGLHRGDGHVKNKTVPTYCKN

WVMTTRSVSNHFSNLPSQRAGNGQGLMAQGASQRDVSKFEARVKNACPEYGPQSMCSFDS

LEQSATEQKGRPCRKRRRGKKQQPQRSKRGGLLDRKQGQTSKAACAFIARHHCPQSPVCD

PQGPLICWLTPRSSTKSTCHILGGTGETSQTARAAQGNLVQHSQRSSTDSSSQGDQQINW

FSDLSLENLEPPQCKKGGTNLLCDPDFDSSDDNF

>sp|Q8VEI3| [Secreted](https://www.uniprot.org/locations/SL-0243), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [acrosome](https://www.uniprot.org/locations/SL-0007), [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095) [Early endosome](https://www.uniprot.org/locations/SL-0094)

MIMHLGLMMVVGLTLCLMHGQALLQVPEHPFSVVWNVPSARCKAHFGVHLPLDALGIVAN

HGQHFHGQNISIFYKNQFGLYPYFGPRGTAHNGGIPQAVSLDHHLARAAHQILHSLGSSF

AGLAVLDWEEWYPLWAGNWGPHRQVYLAASWVWTQQMFPGLDPQEQLHKAHTSFEQAARA

LMEYTLQLGRTLRPSGLWGFYRYPACGNGWHKMASNYTGHCHAAITTRNTQLRWLWAASS

ALFPSIYLPPRLPLAYRQAFVRHRLEEAFRVALLEHSHPLPVLAYSRLTHRSSGRFLSLD

DLMQTIGVSAALGTAGVVLWGDLSFSSSEEKCWRLHDYLVGTLGPYVINVTKAAMACSHQ

RCHGHGRCARKDPGQMEAFLHLQPDDSLGAWNSFRCHCYSGWAGPTCLEPKP

>sp|O14920| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Membrane raft](https://www.uniprot.org/locations/SL-0370)

MSWSPSLTTQTCGAWEMKERLGTGGFGNVIRWHNQETGEQIAIKQCRQELSPRNRERWCL

EIQIMRRLTHPNVVAARDVPEGMQNLAPNDLPLLAMEYCQGGDLRKYLNQFENCCGLREG

AILTLLSDIASALRYLHENRIIHRDLKPENIVLQQGEQRLIHKIIDLGYAKELDQGSLCT

SFVGTLQYLAPELLEQQKYTVTVDYWSFGTLAFECITGFRPFLPNWQPVQWHSKVRQKSE

VDIVVSEDLNGTVKFSSSLPYPNNLNSVLAERLEKWLQLMLMWHPRQRGTDPTYGPNGCF

KALDDILNLKLVHILNMVTGTIHTYPVTEDESLQSLKARIQQDTGIPEEDQELLQEAGLA

LIPDKPATQCISDGKLNEGHTLDMDLVFLFDNSKITYETQISPRPQPESVSCILQEPKRN

LAFFQLRKVWGQVWHSIQTLKEDCNRLQQGQRAAMMNLLRNNSCLSKMKNSMASMSQQLK

AKLDFFKTSIQIDLEKYSEQTEFGITSDKLLLAWREMEQAVELCGRENEVKLLVERMMAL

QTDIVDLQRSPMGRKQGGTLDDLEEQARELYRRLREKPRDQRTEGDSQEMVRLLLQAIQS

FEKKVRVIYTQLSKTVVCKQKALELLPKVEEVVSLMNEDEKTVVRLQEKRQKELWNLLKI

ACSKVRGPVSGSPDSMNASRLSQPGQLMSQPSTASNSLPEPAKKSEELVAEAHNLCTLLE

NAIQDTVREQDQSFTALDWSWLQTEEEEHSCLEQAS

>sp|Q7L622| [nucleolus](https://www.uniprot.org/locations/SL-0188)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MNESKPGDSQNLACVFCRKHDDCPNKYGEKKTKEKWNLTVHYYCLLMSSGIWQRGKEEEG

VYGFLIEDIRKEVNRASKLKCCVCKKNGASIGCVAPRCKRSYHFPCGLQRECIFQFTGNF

ASFCWDHRPVQIITSNNYRESLPCTICLEFIEPIPSYNILRSPCCKNAWFHRDCLQVQAI

NAGVFFFRCTICNNSDIFQKEMLRMGIHIPEKDASWELEENAYQELLQHYERCDVRRCRC

KEGRDYNAPDSKWEIKRCQCCGSSGTHLACSSLRSWEQNWECLECRGIIYNSGEFQKAKK

HVLPNSNNVGITDCLLEESSPKLPRQSPGSQSKDLLRQGSKFRRNVSTLLIELGFQIKKK

TKRLYINKANIWNSALDAFRNRNFNPSYAIEVAYVIENDNFGSEHPGSKQEFLSLLMQHL

ENSSLFEGSLSKNLSLNSQALKENLYYEAGKMLAISLVHGGPSPGFFSKTLFNCLVYGPE

NTQPILDDVSDFDVAQIIIRINTATTVADLKSIINECYNYLELIGCLRLITTLSDKYMLV

KDILGYHVIQRVHTPFESFKQGLKTLGVLEKIQAYPEAFCSILCHKPESLSAKILSELFT

VHTLPDVKALGFWNSYLQAVEDGKSTTTMEDILIFATGCSSIPPAGFKPTPSIECLHVDF

PVGNKCNNCLAIPITNTYKEFQENMDFTIRNTLRLEKEESSHYIGH

>sp|Q13283| [cytosol](https://www.uniprot.org/locations/SL-0091)，[Stress granule](https://www.uniprot.org/locations/SL-0496)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGLDSNGKPADAVYGQKE

IHRKVMSQNFTNCHTKIRHVDAHATLNDGVVVQVMGLLSNNNQALRRFMQTFVLAPEGSV

ANKFYVHNDIFRYQDEVFGGFVTEPQEESEEEVEEPEERQQTPEVVPDDSGTFYDQAVVS

NDMEEHLEEPVAEPEPDPEPEPEQEPVSEIQEEKPEPVLEETAPEDAQKSSSPAPADIAQ

TVQEDLRTFSWASVTSKNLPPSGAVPVTGIPPHVVKVPASQPRPESKPESQIPPQRPQRD

QRVREQRINIPPQRGPRPIREAGEQGDIEPRRMVRHPDSHQLFIGNLPHEVDKSELKDFF

QSYGNVVELRINSGGKLPNFGFVVFDDSEPVQKVLSNRPIMFRGEVRLNVEEKKTRAARE

GDRRDNRLRGPGGPRGGLGGGMRGPPRGGMVQKPGFGVGRGLAPRQ

>sp|Q9H334| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MMQESGTETKSNGSAIQNGSGGSNHLLECGGLREGRSNGETPAVDIGAADLAHAQQQQQQ

ALQVARQLLLQQQQQQQVSGLKSPKRNDKQPALQVPVSVAMMTPQVITPQQMQQILQQQV

LSPQQLQVLLQQQQALMLQQQQLQEFYKKQQEQLQLQLLQQQHAGKQPKEQQQVATQQLA

FQQQLLQMQQLQQQHLLSLQRQGLLTIQPGQPALPLQPLAQGMIPTELQQLWKEVTSAHT

AEETTGNNHSSLDLTTTCVSSSAPSKTSLIMNPHASTNGQLSVHTPKRESLSHEEHPHSH

PLYGHGVCKWPGCEAVCEDFQSFLKHLNSEHALDDRSTAQCRVQMQVVQQLELQLAKDKE

RLQAMMTHLHVKSTEPKAAPQPLNLVSSVTLSKSASEASPQSLPHTPTTPTAPLTPVTQG

PSVITTTSMHTVGPIRRRYSDKYNVPISSADIAQNQEFYKNAEVRPPFTYASLIRQAILE

SPEKQLTLNEIYNWFTRMFAYFRRNAATWKNAVRHNLSLHKCFVRVENVKGAVWTVDEVE

FQKRRPQKISGNPSLIKNMQSSHAYCTPLNAALQASMAENSIPLYTTASMGNPTLGNLAS

AIREELNGAMEHTNSNESDSSPGRSPMQAVHPVHVKEEPLDPEEAEGPLSLVTTANHSPD

FDHDRDYEDEPVNEDME

>sp|P38297| [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MSEGKQQFKDSNKPHKDSTDQDDDAATIVPQTLTYSRNEGHFLGSNFHGVTDDRTTLFDG

EEGRREDDLLPSLRSSNSKAHLISSQLSQWNYNNNRVLLKRSILKTQAFMDQLQEENNIR

PIFIAANDEREKLHVLQLNIKLDGQYNTKEKNGFNIEKKALSKLFHSQIVSVTNHLNALK

KRVDDVSSKVFITGDVNTGKSALCNSLLKQRLLPEDQLPCTNVFSEILEARENDGIEEVH

AIPLNIAPTLKEAIDMYSIQNPKTYEIHTLKELPDLVPQNGKYALLKIYIKDDKRPASTS

LLRNGTVDISLIDSPGLNMDSLQTAEVMSRQEEIDLVIFVVNAENQLTLSAKEFISLASR

EKKLMFFVVKKFDKIRDKQRCKELILKQIRDLSPETYKRAADFVHFVSKNGDELPHYHNE

NDNEDHGDRKPDDDPYSSSDPDPDFDSLEDSLRNFVLKKRSLSKLLPAKTYLSKLLSDII

MISKSNMKMYSEEEIKINEQLETLRPEILSARAKCNDLTTSVDQMAEQTITMTYNNTKEA

LLNALDVPLHEYPKYQGLGQIYDFIFSTEAFIANQIDESIGSSELFAKQKTDLLVKKIYE

IGKNELGDDFMCERVFRSELMFRKRKHLIGKRLKVSLSITDLFAPTWKGFLSYLSWQKPV

TAPLPDIEGQTNEGQIGLMKYLGLKNYPLTQYWSRPSLLFTSKIPTLTLYFLGSTKVVGN

IILNGIKLSSWSSLKKLSVPVIVVGSLLGLTYLIHDLPRALPMNLSIKYKRKLQELDYIH

LNAQRTSNEVRDVLRVPTREILRSCEIIMDKKQITKKELENKKESNLLSIKFFQSLYEGT

VAQKLMVEEINLDID

>sp|Q9JL04| [cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)，[cell cortex](https://www.uniprot.org/locations/SL-0138)，[Cytoplasmic vesicle membrane](https://www.uniprot.org/locations/SL-0089)

MGNQDGKLKRSAGDASHEGGGAEDAAGPRDAEITKKASGSKKALGKHGKGGGGSGETSKK

KSKSDSRASVFSNLRIRKNLTKGKGACDSREDVLDSQALPIGELDSAHSIVTKTPDLSLS

AEETGLSDTECADPFEVIHPGASRPAEAGVGIQATAEDLETAAGAQDGQRTSSGSDTDIY

SFHSATEQEDLLSDIQQAIRLQQQQQQKLLLQDSEEPAAPPTAISPQPGAFLGLDQFLLG

PRSEAEKDTVQALPVRPDLPETTKSLVPEHPPSSGSHLTSETPGYATAPSAVTDSLSSPA

FTFPEAGPGEGAAGVPVAGTGDTDEECEEDAFEDAPRGSPGEEWVPEVEEASQRLEKEPE

EGMRESITSAVVSLPGSPAPSPRCFKPYPLITPCYIKTTTRQLSSPNHSPSQSPNQSPRI

KKRPDPSVSRSSRTALASAAAPAKKHRLEGGLTGGLSRSADWTEELGVRTPGAGGSVHLL

GRGATADDSGGGSPVLAAKAPGAPATADGFQNVFTGRTLLEKLFSQQENGPPEEAEKFCS

RIIAMGLLLPFSDCFREPCNQNAGSSSAPFDQDQLYTWAAVSQPTHSMDYSEGQFPRREP

SMWPSSKLPEEEPSPKDVDTEPKSSILESPKKCSNGVQQEVFDVKSEGQATVIQQLEQTI

EDLRTKIAELEKQYPALDLEGPRGLSGLENGLTASADVSLDALVLHGKVAQPPRTLEAKS

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ISVQLDAQQIQSASQLPPPPPLLGSDSQGQPSQPSLHTESETSHEHSVSSSFGNNCNVPP

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PGVGIPPPPPLPGVGIPPPPPLPGVGIPPPPPLPGVGIPPPPPLPGVGIPPPPPLPGVGI

PPPPPLPGVGIPPPPPLPGVGIPPPPPLPGSGIPPPPALPGVAIPPPPPLPGMGVPPPAP

PPPGAGIPPPPLLPGSGPPHSSQVGSSTLPAAPQGCGFLFPPLPTGLFGLGMNQDRVARK

QLIEPCRPMKPLYWTRIQLHSKRDSSPSLIWEKIEEPSIDCHEFEELFSKTAVKERKKPI

SDTISKTKAKQVVKLLSNKRSQAVGILMSSLHLDMKDIQHAVVNLDNSVVDLETLQALYE

NRAQSDELEKIEKHSRSSKDKENAKSLDKPEQFLYELSLIPNFSERVFCILFQSTFSESI

CSIRRKLELLQKLCETLKNGPGVMQVLGLVLAFGNYMNAGNKTRGQADGFGLDILPKLKD

VKSSDNSRSLLSYIVSYYLRNFDEDAGKEQCVFPLAEPQELFQASQMKFEDFQKDLRKLK

KDLKACEAEAGKVYQVSSAEHMQPFKENMEQFISQAKIDQESQEAALTETHKCFLETTAY

YFMKPKLGEKEVSPNVFFSVWHEFSSDFKDAWKKENKLILQERVKEAEEVCRQKKGKSLY

KVKPRHDSGIKAKISMKT

>sp|Q5PQS4| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MNRAFSRKKDKTWMHMPEALSKHYVPYNAKFLGSTEVEQPKGTEVVRDAVRKLKFARHIK

KSEGQKIPKVELQISIYGVKILEPKTKEVQHNCQLHRISFCADDKTDKRIFTFICKDSES

NKHLCFVFDSEKCAEEITLTIGQAFDLAYRKFLESGGKDVETRKQIAGMQKRIQDLETEN

MELKNKVQDLENRLRTTQVSSTPAGGVTVTSPSTDIFDMIPFSPISHPSPTSAGNGTQLP

PIPSRSSEIKRDLFGAEPFDPFNCGAGDFPPDIQSKLDEMQEGFKMGLTLEGTVFCLDPL

DSRC

>sp|P63159| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Chromosome](https://www.uniprot.org/locations/SL-0468), [Secreted](https://www.uniprot.org/locations/SL-0243), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903),  [Extracellular side](https://www.uniprot.org/locations/SL-9911)

MGKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKTMSAKEKGKF

EDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSAFFLFCSEYRPKIKGEHPGL

SIGDVAKKLGEMWNNTAADDKQPYEKKAAKLKEKYEKDIAAYRAKGKPDAAKKGVVKAEK

SKKKKEEEDDEEDEEDEEEEEEEEDEDEEEDDDDE

>sp|P08238| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Melanosome](https://www.uniprot.org/locations/SL-0161), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Secreted](https://www.uniprot.org/locations/SL-0243), [Cell membrane](https://www.uniprot.org/locations/SL-0039)

MPEEVHHGEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNASDALDKIRYESLT

DPSKLDSGKELKIDIIPNPQERTLTLVDTGIGMTKADLINNLGTIAKSGTKAFMEALQAG

ADISMIGQFGVGFYSAYLVAEKVVVITKHNDDEQYAWESSAGGSFTVRADHGEPIGRGTK

VILHLKEDQTEYLEERRVKEVVKKHSQFIGYPITLYLEKEREKEISDDEAEEEKGEKEEE

DKDDEEKPKIEDVGSDEEDDSGKDKKKKTKKIKEKYIDQEELNKTKPIWTRNPDDITQEE

YGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLFIPRRAPFDLFENKKKKNNIKLYVRRV

FIMDSCDELIPEYLNFIRGVVDSEDLPLNISREMLQQSKILKVIRKNIVKKCLELFSELA

EDKENYKKFYEAFSKNLKLGIHEDSTNRRRLSELLRYHTSQSGDEMTSLSEYVSRMKETQ

KSIYYITGESKEQVANSAFVERVRKRGFEVVYMTEPIDEYCVQQLKEFDGKSLVSVTKEG

LELPEDEEEKKKMEESKAKFENLCKLMKEILDKKVEKVTISNRLVSSPCCIVTSTYGWTA

NMERIMKAQALRDNSTMGYMMAKKHLEINPDHPIVETLRQKAEADKNDKAVKDLVVLLFE

TALLSSGFSLEDPQTHSNRIYRMIKLGLGIDEDEVAAEEPNAAVPDEIPPLEGDEDASRM

EEVD

>sp|Q7JKP6| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MASSSNTMEFEEDDSTVTQTSLPTTTSVLDKSRSLFGNSAVISTPARDSTPDGHIVDSSV

ITKSSVIIEAEDEPDVAADVTALDKEKAEDEPQCSAGKDAKSGESMNDSEKSESPIEEGE

GETFEKKIISMDTSDDKLDIAESISVSNDTEKPEENEEKVVGDEDEEDIDDVQEDDEDEA

PKKKTKKAVSTSDDDDLHEDDSPKGGSVSDEKEEPENEDDTEEPENEVEVESPVKEQADS

GEPIENVNDDKASEPGVGEISQDSVDDSQKIGLDSKSPDGESEANEENQESQSSSRSTRR

AKRVSATVSSTPSSNTPRRGGRGQKSEVNADETKTPIVSNSTPRRGRSSRGGDRDEVIDP

TENVVGDSGVEETSPRKGRSRRSVATEDTSVTEEVENTEHPTEEETPKQGRGRRSAASSS

ATSSAVPTPRSTRGRGRKSQANEENLQEKETEDPTKTHDTNQAKSTRTPRGRRSNADAET

MESVEAEKVETPTSSRRSTRAKPPAKSAPVTPAVTNKRTTVRGRKKQGSITEDPIEEADE

TIEETLPQKKGRGAAKSAPSSSKKSAEYDPYDLDTEMEHHPEPLKNIHMEVHNFGAVKYA

KLGNSESKYSMTEKAAESRIAELQSSPAAKNRRSLADMTPGKDKMKHRVSSVGTSGRRSR

AKKEEEHHENDIEMEDAPATATPASSNRGRKRKSEASDIKTPPAKKEPVIPLKNLSDEDQ

LLVDHPQDDNEPHAPGARVYAVFQKMFYPAVVLSERDGLGRYKVQFTVDNVIKDVPNSGI

IPLRALSPGKTAVYNESDVRLDSGPNDISAAEWKKGKLTISIMDEDGEPTDEVKVVDWYD

VSFDHSEWRDYVKSKDQSATAIVTSNITTISEATRARKPTTVSNQAKPKGRKKKGVDLVS

SRGGSASPAEEEEKLLPMNEEAIGKNIFTGKVFMLTSANRSNSASVPSMFKKKNLMNFIT

QNGGIVTEQLNSFQERYSNYEPLLISDTYYRTHKYLAALARGVPCVNNTWLQACGEQGKC

VDYTDYVLPAGASIFDESQDMPAPKNPSELLKGTTIYVHSTHSAREVTQTGPGGTFIEIW

KPILELLGADVVDGDWETLDETGLKFDVVLVDGTFRDEVMEYADTIGASRVTSEWVIQTI

ILGKAPEPNAHPKFDPYRLHHRTRH

>sp|Q0VBL6| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus speckle](https://www.uniprot.org/locations/SL-0186), [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MDWDQDRSNTELRKEKSRDAARSRRSQETEVLYQLAHTLPFARGVSAHLDKASIMRLTIS

YLRMHRLCAAGEWNQVEKGGEPLDACYLKALEGFVMVLTAEGDMAYLSENVSKHLGLSQL

ELIGHSIFDFIHPCDQEELQDALTPRPNLSKKKLEAPTERHFSLRMKSTLTSRGRTLNLK

AATWKVLHCSGHMRAYKPPAQTSPAGSPRSEPPLQCLVLICEAIPHPASLEPPLGRGAFL

SRHSLDMKFTYCDERIAEVAGYSPDDLIGCSAYEYIHALDSDAVSRSIHTLLSKGQAVTG

QYRFLARTGGYLWTQTQATVVSGGRGPQSESIICVHFLISRVEETGVVLSLEQTEQHTRR

PPRLSASSQKGIPGNSVDSPAPRILAFLHPPALSEASLAADPRRFCSPDLRRLMAPILDG

PPPAATPSTPQATRRPQSPLPADLPDKLTVGLENAHRLSTAQKNKTVETDLDIAQDPDTL

DLEMLAPYISMDDDFQLNSSEQLPKVHRRPPRVARRPRARSFHGLSPPIPEPSLLPRWGS

DPRLNCSSPSRGDRPTASLMPGTRKRALAQSSEDKGLELLETKPPKRSPRLEPGSFLLPP

LSLSFLLQGRQLPGNQQDPRAPLVHSHEPLGLAPSLLSLCQHEETVQPRNRFPPAAGLGQ

TH

>sp|Q9Y5Z4| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MAEPLQPDPGAAEDAAAQAVETPGWKAPEDAGPQPGSYEIRHYGPAKWVSTSVESMDWDS

AIQTGFTKLNSYIQGKNEKEMKIKMTAPVTSYVEPGSGPFSESTITISLYIPSEQQFDPP

RPLESDVFIEDRAEMTVFVRSFDGFSSAQKNQEQLLTLASILREDGKVFDEKVYYTAGYN

SPVKLLNRNNEVWLIQKNEPTKENE

>sp|Q8TDQ0| [Membrane](https://www.uniprot.org/locations/SL-0162)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Cell junction](https://www.uniprot.org/locations/SL-0038)

MFSHLPFDCVLLLLLLLLTRSSEVEYRAEVGQNAYLPCFYTPAAPGNLVPVCWGKGACPV

FECGNVVLRTDERDVNYWTSRYWLNGDFRKGDVSLTIENVTLADSGIYCCRIQIPGIMND

EKFNLKLVIKPAKVTPAPTRQRDFTAAFPRMLTTRGHGPAETQTLGSLPDINLTQISTLA

NELRDSRLANDLRDSGATIRIGIYIGAGICAGLALALIFGALIFKWYSHSKEKIQNLSLI

SLANLPPSGLANAVAEGIRSEENIYTIEENVYEVEEPNEYYCYVSSRQQPSQPLGCRFAM

P

>sp|P34689| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)

MSDGWSDSESAAKAKTGFGSGGGFGGGNNGGSGFGGGKNGGTGFGGGNTGGSGFGGGNTG

GSGFGGGKTGGSGFGGGNTCGSGFGGGSTGGSPYGGASSGFGGSTATSGFGSGEKSSAFG

GSGGFGGSATGFGSGGGSFGGGNSGFGEGGHGGGERNNNCFNCQQPGHRSSDCPEPRKER

EPRVCYNCQQPGHTSRECTEERKPREGRTGGFGGGAGFGNNGGNDGFGGDGGFGGGEERG

PMKCFNCKGEGHRSAECPEPPRGCFNCGEQGHRSNECPNPAKPREGVEGEGPKATYVPVE

DNMEDVFNMQKISEGLMFNKFFDAEVKLTSSEKTVGIKPCKTFAEANLTETMQKNVAHAG

YSKTTPIQQYALPLVHQGYDIMACAQTGSGKTAAFLLPIMTRLIDDNNLNTAGEGGCYPR

CIILTPTRELADQIYNEGRKFAYQTMMEIKPVYGGLAVGYNKGQIEKGATIIVGTVGRIK

HFCEEGTIKLDKCRFFVLDEADRMIDAMGFGTDIETIVNYDSMPRKENRQTLMFSATFPD

SVQEAARAFLRENYVMIAIDKIGAANKCVLQEFERCERSEKKDKLLELLGIDIDSYTTEK

SAEVYTKKTMVFVSQRAMADTLASILSSAQVPAITIHGAREQRERSEALRQFRNGSKPVL

IATAVAERGLDIKGVDHVINYDMPDNIDDYIHRIGRTGRVGNSGRATSFISEDCSLLSEL

VGVLADAQQIVPDWMQGAAGGNYGASGFGSSVPTQVPQDEEGW

>sp|Q9WVH4| [cytosol](https://www.uniprot.org/locations/SL-0091), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170), [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MAEAPASPVPLSPLEVELDPEFEPQSRPRSCTWPLQRPELQASPAKPSGETAADSMIPEE

DDDEDDEDGGGRASSAMVIGGGVSSTLGSGLLLEDSAMLLAPGGQDLGSGPASAAGALSG

GTPTQLQPQQPLPQPQPGAAGGSGQPRKCSSRRNAWGNLSYADLITRAIESSPDKRLTLS

QIYEWMVRCVPYFKDKGDSNSSAGWKNSIRHNLSLHSRFMRVQNEGTGKSSWWIINPDGG

KSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQAAPESADDSPSQLSKWPGSPTSRSSD

ELDAWTDFRSRTNSNASTVSGRLSPILASTELDDVQDDDGPLSPMLYSSSASLSPSVSKP

CTVELPRLTDMAGTMNLNDGLAENLMDDLLDNIALPPSQPSPPGGLMQRGSSFPYTAKSS

GLGSPTGSFNSTVFGPSSLNSLRQSPMQTIQENRPATFSSVSHYGNQTLQDLLASDSLSH

SDVMMTQSDPLMSQASTAVSAQNARRNVMLRNDPMMSFAAQPTQGSLVNQNLLHHQHQTQ

GALGGSRALSNSVSNMGLSDSSSLGSAKHQQQSPASQSMQTLSDSLSGSSLYSASANLPV

MGHDKFPSDLDLDMFNGSLECDMESIIRSELMDADGLDFNFDSLISTQNVVGLNVGNFTG

AKQASSQSWVPG

>sp|O16850| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MQLEQKSSLHCSKCRNFLQKFSQDMQAWNCRELDSPLPSDITLHNLEPARPDSGMSFSTD

FDDDFFNLDLHQQERSASFGGVTQYSQQFLREKCSFSPYFHTSLETVDSGRTSLYGSNEQ

CGQLGGASSNGSTAMLHTPDGSNSHQTSFPSDFRMSESPDDTVSGKKTTTRRNAWGNMSY

AELITTAIMASPEKRLTLAQVYEWMVQNVPYFRDKGDSNSSAGWKNSIRHNLSLHSRFMR

IQNEGAGKSSWWVINPDAKPGRNPRRTRERSNTIETTTKAQLEKSRRGAKKRIKERALMG

SLHSTLNGNSIAGSIQTISHDLYDDDSMQGAFDNVPSSFRPRTQSNLSIPGSSSRVSPAI

GSDIYDDLEFPSWVGESVPAIPSDIVDRTDQMRIDATTHIGGVQIKQESKPIKTEPIAPP

PSYHELNSVRGSCAQNPLLRNPIVPSTNFKPMPLPGAYGNYQNGGITPINWLSTSNSSPL

PGIQSCGIVAAQHTVASSSALPIDLENLTLPDQPLMDTMDVDALIRHELSQAGGQHIHFD

L

>sp|Q9NZ56| [cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[cytosol](https://www.uniprot.org/locations/SL-0091)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[nucleolus](https://www.uniprot.org/locations/SL-0188)，

MGNQDGKLKRSAGDALHEGGGGAEDALGPRDVEATKKGSGGKKALGKHGKGGGGGGGGGE

SGKKKSKSDSRASVFSNLRIRKNLSKGKGAGGSREDVLDSQALQTGELDSAHSLLTKTPD

LSLSADEAGLSDTECADPFEVTGPGGPGPAEARVGGRPIAEDVETAAGAQDGQRTSSGSD

TDIYSFHSATEQEDLLSDIQQAIRLQQQQQQQLQLQLQQQQQQQQLQGAEEPAAPPTAVS

PQPGAFLGLDRFLLGPSGGAGEAPGSPDTEQALSALSDLPESLAAEPREPQQPPSPGGLP

VSEAPSLPAAQPAAKDSPSSTAFPFPEAGPGEEAAGAPVRGAGDTDEEGEEDAFEDAPRG

SPGEEWAPEVGEDAPQRLGEEPEEEAQGPDAPAAASLPGSPAPSQRCFKPYPLITPCYIK

TTTRQLSSPNHSPSQSPNQSPRIKRRPEPSLSRGSRTALASVAAPAKKHRADGGLAAGLS

RSADWTEELGARTPRVGGSAHLLERGVASDSGGGVSPALAAKASGAPAAADGFQNVFTGR

TLLEKLFSQQENGPPEEAEKFCSRIIAMGLLLPFSDCFREPCNQNAQTNAASFDQDQLYT

WAAVSQPTHSLDYSEGQFPRRVPSMGPPSKPPDEEHRLEDAETESQSAVSETPQKRSDAV

QKEVVDMKSEGQATVIQQLEQTIEDLRTKIAELERQYPALDTEVASGHQGLENGVTASGD

VCLEALRLEEKEVRHHRILEAKSIQTSPTEEGGVLTLPPVDGLPGRPPCPPGAESGPQTK

FCSEISLIVSPRRISVQLDSHQPTQSISQPPPPPSLLWSAGQGQPGSQPPHSISTEFQTS

HEHSVSSAFKNSCNIPSPPPLPCTESSSSMPGLGMVPPPPPPLPGMTVPTLPSTAIPQPP

PLQGTEMLPPPPPPLPGAGIPPPPPLPGAGILPLPPLPGAGIPPPPPLPGAAIPPPPPLP

GAGIPLPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGIP

PPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGIPPPPPL

PGAGIPPPPPLPGAGIPPPPPLPGVGIPPPPPLPGAGIPPPPPLPGAGIPPPPPLPGAGI

PPPPPLPRVGIPPPPPLPGAGIPPPPPLPGAGIPPPPPLPGVGIPPPPPLPGVGIPPPPP

LPGAGIPPPPPLPGMGIPPAPAPPLPPPGTGIPPPPLLPVSGPPLLPQVGSSTLPTPQVC

GFLPPPLPSGLFGLGMNQDKGSRKQPIEPCRPMKPLYWTRIQLHSKRDSSTSLIWEKIEE

PSIDCHEFEELFSKTAVKERKKPISDTISKTKAKQVVKLLSNKRSQAVGILMSSLHLDMK

DIQHAVVNLDNSVVDLETLQALYENRAQSDELEKIEKHGRSSKDKENAKSLDKPEQFLYE

LSLIPNFSERVFCILFQSTFSESICSIRRKLELLQKLCETLKNGPGVMQVLGLVLAFGNY

MNGGNKTRGQADGFGLDILPKLKDVKSSDNSRSLLSYIVSYYLRNFDEDAGKEQCLFPLP

EPQDLFQASQMKFEDFQKDLRKLKKDLKACEVEAGKVYQVSSKEHMQPFKENMEQFIIQA

KIDQEAEENSLTETHKCFLETTAYFFMKPKLGEKEVSPNAFFSIWHEFSSDFKDFWKKEN

KLLLQERVKEAEEVCRQKKGKSLYKIKPRHDSGIKAKISMKT

>sp|P41480| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)，[Host nucleus](https://www.uniprot.org/locations/SL-0414)

MIPLTPLFSRYKDSYLLYSFRLIDLLRASKSTHLTKLLSSQATYLYHFACLMKYKDIQKY

EVQQLIEWAINASPDMDLQQFRIEFMDKTTELNLRSCQPKSFTYTFTTIWDTMHFLSLII

DDMVYTRDKSSLDFVMQQLKTMKVLFYNVFFILQCAMCRDHYMNVKGFIIYHIELIEIAL

DKEKYGTDITFVDSYQQETAGADVAVVSNNMLMKNLMAYVSMTFHNHINDYKWIQRNKKP

PAHYERMTWGEYKKLLNLQ

>sp|Q8NFZ0| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MRRFKRKHLTAIDCQHLARSHLAVTQPFGQRWTNRDPNHGLYPKPRTKRGSRGQGSQRCI

PEFFLAGKQPCTNDMAKSNSVGQDSCQDSEGDMIFPAESSCALPQEGSAGPGSPGSAPPS

RKRSWSSEEESNQATGTSRWDGVSKKAPRHHLSVPCTRPREARQEAEDSTSRLSAESGET

DQDAGDVGPDPIPDSYYGLLGTLPCQEALSHICSLPSEVLRHVFAFLPVEDLYWNLSLVC

HLWREIISDPLFIPWKKLYHRYLMNEEQAVSKVDGILSNCGIEKESDLCVLNLIRYTATT

KCSPSVDPERVLWSLRDHPLLPEAEACVRQHLPDLYAAAGGVNIWALVAAVVLLSSSVND

IQRLLFCLRRPSSTVTMPDVTETLYCIAVLLYAMREKGINISNRIHYNIFYCLYLQENSC

TQATKVKEEPSVWPGKKTIQLTHEQQLILNHKMEPLQVVKIMAFAGTGKTSTLVKYAEKW

SQSRFLYVTFNKSIAKQAERVFPSNVICKTFHSMAYGHIGRKYQSKKKLNLFKLTPFMVN

SVLAEGKGGFIRAKLVCKTLENFFASADEELTIDHVPIWCKNSQGQRVMVEQSEKLNGVL

EASRLWDNMRKLGECTEEAHQMTHDGYLKLWQLSKPSLASFDAIFVDEAQDCTPAIMNIV

LSQPCGKIFVGDPHQQIYTFRGAVNALFTVPHTHVFYLTQSFRFGVEIAYVGATILDVCK

RVRKKTLVGGNHQSGIRGDAKGQVALLSRTNANVFDEAVRVTEGEFPSRIHLIGGIKSFG

LDRIIDIWILLQPEEERRKQNLVIKDKFIRRWVHKEGFSGFKRYVTAAEDKELEAKIAVV

EKYNIRIPELVQRIEKCHIEDLDFAEYILGTVHKAKGLEFDTVHVLDDFVKVPCARHNLP

QLPHFRVESFSEDEWNLLYVAVTRAKKRLIMTKSLENILTLAGEYFLQAELTSNVLKTGV

VRCCVGQCNNAIPVDTVLTMKKLPITYSNRKENKGGYLCHSCAEQRIGPLAFLTASPEQV

RAMERTVENIVLPRHEALLFLVF

>sp|P51161| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MAFTGKFEMESEKNYDEFMKLLGISSDVIEKARNFKIVTEVQQDGQDFTWSQHYSGGHTM

TNKFTVGKESNIQTMGGKTFKATVQMEGGKLVVNFPNYHQTSEIVGDKLVEVSTIGGVTY

ERVSKRLA

>sp|Q14296| [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170)

MRRPRGEPGPRAPRPTEGATCAGPGESWSPSPNSMLRVLLSAQTSPARLSGLLLIPPVQP

CCLGPSKWGDRPVGGGPSAGPVQGLQRLLEQAKSPGELLRWLGQNPSKVRAHHYSVALRR

LGQLLGSRPRPPPVEQVTLQDLSQLIIRNCPSFDIHTIHVCLHLAVLLGFPSDGPLVCAL

EQERRLRLPPKPPPPLQPLLRGGQGLEAALSCPRFLRYPRQHLISSLAEARPEELTPHVM

VLLAQHLARHRLREPQLLEAIAHFLVVQETQLSSKVVQKLVLPFGRLNYLPLEQQFMPCL

ERILAREAGVAPLATVNILMSLCQLRCLPFRALHFVFSPGFINYISGTPHALIVRRYLSL

LDTAVELELPGYRGPRLPRRQQVPIFPQPLITDRARCKYSHKDIVAEGLRQLLGEEKYRQ

DLTVPPGYCTDFLLCASSSGAVLPVRTQDPFLPYPPRSCPQGQAASSATTRDPAQRVVLV

LRERWHFCRDGRVLLGSRALRERHLGLMGYQLLPLPFEELESQRGLPQLKSYLRQKLQAL

GLRWGPEGG

>sp|Q9JIX9| [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170)

MLRILLSAQTSPARLSGLLLIPPVQPCCLGPSKSGDRPFGGGPVQGLQRLLEQARSPGEL

LRWLSQNPTKVRAHHYPVALRRLGQLLVSQPRPSPVEQATLQDLSQLIIRNCPSFDVHTI

HVCLHLAVLLGFPSDGPLLCALEQERRSRLPPKPPSPHRPAIYGGQRLEVALSCPRFLQY

PRQHLIRSLAEARPEELTPHVMVLLAQHLARHRLREPQLLEAIAHFLVVQEAQLNSKVVQ

KLVLPFGRLNYMPLEQQFMPCLERILAREAGVAPLATVNILMSLCQLQCLPFRALQFVFS

PSFINHINGTPPSLIVRRYLSLLDTAVELELPGYQGPRLPQRQRVPIFPQPLITDRARCK

YSHKDMVAEGLRQLLGEENYRQNLTVPPGYCTDFLLCVSSSGAVLPMRTQDPFLPYPPRS

CQQDQANFNSTTQDPAQRVVLMLRERWHFCRDGRVLLGSRALRERHLGLMGYQLLPLPFE

ELESQRGLPQLKSYLRQKLQALGFRWGPEGG

>sp|O14558| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Secreted](https://www.uniprot.org/locations/SL-0243)

MEIPVPVQPSWLRRASAPLPGLSAPGRLFDQRFGEGLLEAELAALCPTTLAPYYLRAPSV

ALPVAQVPTDPGHFSVLLDVKHFSPEEIAVKVVGEHVEVHARHEERPDEHGFVAREFHRR

YRLPPGVDPAAVTSALSPEGVLSIQAAPASAQAPPPAAAK

>sp|Q9VFJ3| [Mitochondrion intermembrane space](https://www.uniprot.org/locations/SL-0169),  [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904), [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171),

MALRGSHRLEVIFKRCIASPVLHSHAANRRSSQLAIKEGDPNSNGNSGQYQQNGEQKEKG

WRRLVRFFVPFSLGAVVSAAIIQREDLTPTIAASKMTGRRRDFNFIADVVAGCADSVVYI

EIKDTRHFDYFSGQPITASNGSGFIIEQNGLILTNAHVVINKPHTMVQVRLSDGRTFPAT

IEDVDQTSDLATLRIQVNNLSVMRLGKSSTLRSGEWVVALGSPLALSNTVTAGVISSTQR

ASQELGLRNRDINYLQTDAAITFGNSGGPLVNLDGEAIGVNSMKVTAGISFAIPIDYVKV

FLERAAEKRKKGSAYKTGYPVKRYMGITMLTLTPDILFELKSRSQNMPSNLTHGVLVWKV

IVGSPAHSGGLQPGDIVTHINKKEIKNSSDVYDALADNSKTLDIVILRGVKQMHVTITPE

DP

>sp|Q00839| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Nucleus matrix](https://www.uniprot.org/locations/SL-0181), [Chromosome](https://www.uniprot.org/locations/SL-0468) [Nucleus speckle](https://www.uniprot.org/locations/SL-0186), [centrosome](https://www.uniprot.org/locations/SL-0048), [centrosome](https://www.uniprot.org/locations/SL-0048), [spindle](https://www.uniprot.org/locations/SL-0251), [spindle pole](https://www.uniprot.org/locations/SL-0448), [Midbody](https://www.uniprot.org/locations/SL-0469)., [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell surface](https://www.uniprot.org/locations/SL-0310), [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)

MSSSPVNVKKLKVSELKEELKKRRLSDKGLKAELMERLQAALDDEEAGGRPAMEPGNGSL

DLGGDSAGRSGAGLEQEAAAGGDEEEEEEEEEEEGISALDGDQMELGEENGAAGAADSGP

MEEEEAASEDENGDDQGFQEGEDELGDEEEGAGDENGHGEQQPQPPATQQQQPQQQRGAA

KEAAGKSSGPTSLFAVTVAPPGARQGQQQAGGKKKAEGGGGGGRPGAPAAGDGKTEQKGG

DKKRGVKRPREDHGRGYFEYIEENKYSRAKSPQPPVEEEDEHFDDTVVCLDTYNCDLHFK

ISRDRLSASSLTMESFAFLWAGGRASYGVSKGKVCFEMKVTEKIPVRHLYTKDIDIHEVR

IGWSLTTSGMLLGEEEFSYGYSLKGIKTCNCETEDYGEKFDENDVITCFANFESDEVELS

YAKNGQDLGVAFKISKEVLAGRPLFPHVLCHNCAVEFNFGQKEKPYFPIPEEYTFIQNVP

LEDRVRGPKGPEEKKDCEVVMMIGLPGAGKTTWVTKHAAENPGKYNILGTNTIMDKMMVA

GFKKQMADTGKLNTLLQRAPQCLGKFIEIAARKKRNFILDQTNVSAAAQRRKMCLFAGFQ

RKAVVVCPKDEDYKQRTQKKAEVEGKDLPEHAVLKMKGNFTLPEVAECFDEITYVELQKE

EAQKLLEQYKEESKKALPPEKKQNTGSKKSNKNKSGKNQFNRGGGHRGRGGFNMRGGNFR

GGAPGNRGGYNRRGNMPQRGGGGGGSGGIGYPYPRAPVFPGRGSYSNRGNYNRGGMPNRG

NYNQNFRGRGNNRGYKNQSQGYNQWQQGQFWGQKPWSQHYHQGYY

>sp|Q13422| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MDADEGQDMSQVSGKESPPVSDTPDEGDEPMPIPEDLSTTSGGQQSSKSDRVVASNVKVE

TQSDEENGRACEMNGEECAEDLRMLDASGEKMNGSHRDQGSSALSGVGGIRLPNGKLKCD

ICGIICIGPNVLMVHKRSHTGERPFQCNQCGASFTQKGNLLRHIKLHSGEKPFKCHLCNY

ACRRRDALTGHLRTHSVGKPHKCGYCGRSYKQRSSLEEHKERCHNYLESMGLPGTLYPVI

KEETNHSEMAEDLCKIGSERSLVLDRLASNVAKRKSSMPQKFLGDKGLSDTPYDSSASYE

KENEMMKSHVMDQAINNAINYLGAESLRPLVQTPPGGSEVVPVISPMYQLHKPLAEGTPR

SNHSAQDSAVENLLLLSKAKLVPSEREASPSNSCQDSTDTESNNEEQRSGLIYLTNHIAP

HARNGLSLKEEHRAYDLLRAASENSQDALRVVSTSGEQMKVYKCEHCRVLFLDHVMYTIH

MGCHGFRDPFECNMCGYHSQDRYEFSSHITRGEHRFHMS

>sp|Q6IE81| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [cilium basal body](https://www.uniprot.org/locations/SL-0087)

MKRGRLPSSSEDSDDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRTDLITAMKLHD

SYQLNPDEYYVLADPWRQEWEKGVQVPVSPGTIPQPVARVVSEEKSLMFIRPKKYIVSSG

SEPPELGYVDIRTLADSVCRYDLNDMDAAWLELTNEEFKEMGMPELDEYTMERVLEEFEQ

RCYDNMNHAIETEEGLGIEYDEDVVCDVCQSPDGEDGNEMVFCDKCNICVHQACYGILKV

PEGSWLCRTCALGVQPKCLLCPKKGGAMKPTRSGTKWVHVSCALWIPEVSIGSPEKMEPI

TKVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCAFDRGLEMKTILAENDEVK

FKSYCPKHSSHRKPEESLGKGAAQENGAPECSPRNPLEPFASLEQNREEAHRVSVRKQKL

QQLEDEFYTFVNLLDVARALRLPEEVVDFLYQYWKLKRKVNFNKPLITPKKDEEDNLAKR

EQDVLFRRLQLFTHLRQDLERVRNLTYMVTRREKIKRSVCKVQEQIFNLYTKLLEQERVS

GVPSSCSSSSLENMLLFNSPSVGPDAPKIEDLKWHSAFFRKQMGTSLVHSLKKPHKRDPL

QNSPGSEGKTLLKQPDLCGRREGMVVPESFLGLEKTFAEARLISAQQKNGVVMPDHGKRR

DNRFHCDLIKGDLKDKSFKQSHKPLRSTDVSQRHLDNTRAATSPGVGQSAPGTRKEIVPK

CNGSLIKVNYNQTAVKVPTTPASPVKNWGGFRIPKKGERQQQGEAHDGACHQHSDYPYLG

LGRVPAKERAKSKLKSDNENDGYVPDVEMSDSESEASEKKCIHTSSTISRRTDIIRRSIL

AS

>sp|Q13387| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MADRAEMFSLSTFHSLSPPGCRPPQDISLEEFDDEDLSEITDDCGLGLSYDSDHCEKDSL

SLGRSEQPHPICSFQDDFQEFEMIDDNEEEDDEDEEEEEEEEEGDGEGQEGGDPGSEAPA

PGPLIPSPSVEEPHKHRPTTLRLTTLGAQDSLNNNGGFDLVRPASWQETALCSPAPEALR

ELPGPLPATDTGPGGAQSPVRPGCDCEGNRPAEPPAPGGTSPSSDPGIEADLRSRSSGGR

GGRRSSQELSSPGSDSEDAGGARLGRMISSISETELELSSDGGSSSSGRSSHLTNSIEEA

SSPASEPEPPREPPRRPAFLPVGPDDTNSEYESGSESEPDLSEDADSPWLLSNLVSRMIS

EGSSPIRCPGQCLSPAPRPPGEPVSPAGGAAQDSQDPEAAAGPGGVELVDMETLCAPPPP

APAAPRPGPAQPGPCLFLSNPTRDTITPLWAAPGRAARPGRACSAACSEEEDEEDDEEEE

DAEDSAGSPGGRGTGPSAPRDASLVYDAVKYTLVVDEHTQLELVSLRRCAGLGHDSEEDS

GGEASEEEAGAALLGGGQVSGDTSPDSPDLTFSKKFLNVFVNSTSRSSSTESFGLFSCLV

NGEEREQTHRAVFRFIPRHPDELELDVDDPVLVEAEEDDFWFRGFNMRTGERGVFPAFYA

HAVPGPAKDLLGSKRSPCWVERFDVQFLGSVEVPCHQGNGILCAAMQKIATARKLTVHLR

PPASCDLEISLRGVKLSLSGGGPEFQRCSHFFQMKNISFCGCHPRNSCYFGFITKHPLLS

RFACHVFVSQESMRPVAQSVGRAFLEYYQEHLAYACPTEDIYLE

>sp|O43264| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097) [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903) ，[kinetochore](https://www.uniprot.org/locations/SL-0149)，[spindle](https://www.uniprot.org/locations/SL-0251)

MASFVTEVLAHSGRLEKEDLGTRISRLTRRVEEIKGEVCNMISKKYSEFLPSMQSAQGLI

TQVDKLSEDIDLLKSRIESEVRRDLHVSTGEFTDLKQQLERDSVVLSLLKQLQEFSTAIE

EYNCALTEKKYVTGAQRLEEAQKCLKLLKSRKCFDLKILKSLSMELTIQKQNILYHLGEE

WQKLIVWKFPPSKDTSSLESYLQTELHLYTEQSHKEEKTPMPPISSVLLAFSVLGELHSK

LKSFGQMLLKYILRPLASCPSLHAVIESQPNIVIIRFESIMTNLEYPSPSEVFTKIRLVL

EVLQKQLLDLPLDTDLENEKTSTVPLAEMLGDMIWEDLSECLIKNCLVYSIPTNSSKLQQ

YEEIIQSTEEFENALKEMRFLKGDTTDLLKYARNINSHFANKKCQDVIVAARNLMTSEIH

NTVKIIPDSKINVPELPTPDEDNKLEVQKVSNTQYHEVMNLEPENTLDQHSFSLPTCRIS

ESVKKLMELAYQTLLEATTSSDQCAVQLFYSVRNIFHLFHDVVPTYHKENLQKLPQLAAI

HHNNCMYIAHHLLTLGHQFRLRLAPILCDGTATFVDLVPGFRRLGTECFLAQMRAQKGEL

LERLSSARNFSNMDDEENYSAASKAVRQVLHQLKRLGIVWQDVLPVNIYCKAMGTLLNTA

ISEVIGKITALEDISTEDGDRLYSLCKTVMDEGPQVFAPLSEESKNKKYQEEVPVYVPKW

MPFKELMMMLQASLQEIGDRWADGKGPLAAAFSSSEVKALIRALFQNTERRAAALAKIK

>sp|Q3TXX3| [Recycling endosome membrane](https://www.uniprot.org/locations/SL-0231)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)

MQTSDRDLSGPEASPSGMPEVLSECPPAPTKSAAFDLFNLVLSYKRLEIYLEPLKDAGDG

VRYLLRWQMPLCSLLTCLGLNILFLTLNEGAWYSMGALMISVPALLGYLQEVCRGQLPES

ELMRRKYHSIRQEDLQRVRLSRVHLSRPEAVAEVKSFLIQLEAFLARLCYTCESAYRVLH

WENPVVSSQFYGALLGMVCMLYLLPLCWVLALLNSTLFLGNGDFFRVVCEYRACLQRRMN

PRQEECACESSALQGAGGRGLLDSSPAPTPTEDLTPGSVEEAEEAEPDEEFKDAIEETHL

VVLEDEEGTPCPAEDELTLQDNGFLSKNEVLRSKVSRLTERLRKRYPTNNFGNCAGCAAT

FSVLKKRRSCSNCGNSFCSRCCSFKVPRSSMGATAPEAQRETVCVCASCNQTLSK

>sp|P26651| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)，[P-body](https://www.uniprot.org/locations/SL-0230)

MDLTAIYESLLSLSPDVPVPSDHGGTESSPGWGSSGPWSLSPSDSSPSGVTSRLPGRSTS

LVEGRSCGWVPPPPGFAPLAPRLGPELSPSPTSPTATSTTPSRYKTELCRTFSESGRCRY

GAKCQFAHGLGELRQANRHPKYKTELCHKFYLQGRCPYGSRCHFIHNPSEDLAAPGHPPV

LRQSISFSGLPSGRRTSPPPPGLAGPSLSSSSFSPSSSPPPPGDLPLSPSAFSAAPGTPL

ARRDPTPVCCPSCRRATPISVWGPLGGLVRTPSVQSLGSDPDEYASSGSSLGGSDSPVFE

AGVFAPPQPVAAPRRLPIFNRISVSE

>sp|O60603| [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905), [Membrane raft](https://www.uniprot.org/locations/SL-0370)

MPHTLWMVWVLGVIISLSKEESSNQASLSCDRNGICKGSSGSLNSIPSGLTEAVKSLDLS

NNRITYISNSDLQRCVNLQALVLTSNGINTIEEDSFSSLGSLEHLDLSYNYLSNLSSSWF

KPLSSLTFLNLLGNPYKTLGETSLFSHLTKLQILRVGNMDTFTKIQRKDFAGLTFLEELE

IDASDLQSYEPKSLKSIQNVSHLILHMKQHILLLEIFVDVTSSVECLELRDTDLDTFHFS

ELSTGETNSLIKKFTFRNVKITDESLFQVMKLLNQISGLLELEFDDCTLNGVGNFRASDN

DRVIDPGKVETLTIRRLHIPRFYLFYDLSTLYSLTERVKRITVENSKVFLVPCLLSQHLK

SLEYLDLSENLMVEEYLKNSACEDAWPSLQTLILRQNHLASLEKTGETLLTLKNLTNIDI

SKNSFHSMPETCQWPEKMKYLNLSSTRIHSVTGCIPKTLEILDVSNNNLNLFSLNLPQLK

ELYISRNKLMTLPDASLLPMLLVLKISRNAITTFSKEQLDSFHTLKTLEAGGNNFICSCE

FLSFTQEQQALAKVLIDWPANYLCDSPSHVRGQQVQDVRLSVSECHRTALVSGMCCALFL

LILLTGVLCHRFHGLWYMKMMWAWLQAKRKPRKAPSRNICYDAFVSYSERDAYWVENLMV

QELENFNPPFKLCLHKRDFIPGKWIIDNIIDSIEKSHKTVFVLSENFVKSEWCKYELDFS

HFRLFDENNDAAILILLEPIEKKAIPQRFCKLRKIMNTKTYLEWPMDEAQREGFWVNLRA

AIKS

>sp|Q9V477| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)

MLATTHMLYVLIATCVIPIFGAALSKTVLYQAPDECRWSGGGEHDITLVCHLRTINSELE

NTNFSVIQPQNTVRLRLECNDALFFQSSLSPDSFRSLVELRDLTIEYCKLGNLTDGSFRG

LQELRNLTIRTHNGDWSTMSLEMASNSFVEFRQLERLDLSLNNIWLIPDGMVCPLKSLQH

LNASYNKIQDISNFYFSASLSSRKARVCGSTLQSLDLSANKMVSLPTAMLSALGRLTHLN

MAKNSMSFLADRAFEGLLSLRVVDLSANRLTSLPPELFAETKQLQEIYLRNNSINVLAPG

IFGELAELLVLDLASNELNSQWINAATFVGLKRLMMLDLSANKISRLEAHIFRPLASLQI

LKLEDNYIDQLPGGIFADLTNLHTLILSRNRISVIEQRTLQGLKNLLVLSLDFNRISRMD

QRSLVNCSQLQDLHLNDNKLQAVPEALAHVQLLKTLDVGENMISQIENTSITQLESLYGL

RMTENSLTHIRRGVFDRMSSLQILNLSQNKLKSIEAGSLQRNSQLQAIRLDGNQLKSIAG

LFTELPNLVWLNISGNRLEKFDYSHIPIGLQWLDVRANRITQLGNYFEIESELSLSTFDA

SYNLLTEITASSIPNSVEVLYLNDNQISKIQPYTFFKKPNLTRVDLVRNRLTTLEPNALR

LSPIAEDREIPEFYIGHNAYECDCNLDWLQKVNRESRTQPQLMDLDQIHCRLAYARGSSH

VSLIEAKSDDFLCKYASHCFALCHCCDFQACDCKMECPDRCSCYHDQSWTSNVVDCSRAS

YEQTLPSHIPMDSTQLYLDGNNFRELQSHAFIGRKRLKVLHLNHSRIEVLHNRTFYGLLE

LEVLQLQSNQLKALNGNEFQGLDNLQELYLQHNAIATIDTLTFTHLYHLKILRLDHNAIT

SFAVWNFLPSYLNELRLASNPWTCSCEFIDKLRDYINRHEYVVDKLKMKCDVISGNSTQQ

MVIYPGSGEPASLPVVQCSQTLPLGLDNNFNYAEQAGGENASNATSTKMILNQPPKLDYI

PILVAILTAFIFVMICISLVFIFRQEMRVWCHSRFGVRLFYNAQKDVDKNEREKLFDAFV

SYSSKDELFVNEELAPMLEMGEHRYKLCLHQRDFPVGGYLPETIVQAIDSSRRTIMVVSE

NFIKSEWCRFEFKSAHQSVLRDRRRRLIVIVLGEVPQKELDPDLRLYLKTNTYLQWGDKL

FWQKLRFALPDVSSSQRSNVAGQSCHVPINHASYHHHHHVHQQAMPLPHSVHHHQQQFML

PPPPQQPGSFRRQPSLHQQQQQQQQIRGNNNTTQQQQQQQAALLMGGGSVGGPAPQMIPL

AGGIQQQSLPLPPNQQPTPASRNLHM

>sp|Q9ULW0| [Nucleus](https://www.uniprot.org/locations/SL-0191), [spindle](https://www.uniprot.org/locations/SL-0251), [spindle pole](https://www.uniprot.org/locations/SL-0448)

MSQVKSSYSYDAPSDFINFSSLDDEGDTQNIDSWFEEKANLENKLLGKNGTGGLFQGKTP

LRKANLQQAIVTPLKPVDNTYYKEAEKENLVEQSIPSNACSSLEVEAAISRKTPAQPQRR

SLRLSAQKDLEQKEKHHVKMKAKRCATPVIIDEILPSKKMKVSNNKKKPEEEGSAHQDTA

EKNASSPEKAKGRHTVPCMPPAKQKFLKSTEEQELEKSMKMQQEVVEMRKKNEEFKKLAL

AGIGQPVKKSVSQVTKSVDFHFRTDERIKQHPKNQEEYKEVNFTSELRKHPSSPARVTKG

CTIVKPFNLSQGKKRTFDETVSTYVPLAQQVEDFHKRTPNRYHLRSKKDDINLLPSKSSV

TKICRDPQTPVLQTKHRARAVTCKSTAELEAEELEKLQQYKFKARELDPRILEGGPILPK

KPPVKPPTEPIGFDLEIEKRIQERESKKKTEDEHFEFHSRPCPTKILEDVVGVPEKKVLP

ITVPKSPAFALKNRIRMPTKEDEEEDEPVVIKAQPVPHYGVPFKPQIPEARTVEICPFSF

DSRDKERQLQKEKKIKELQKGEVPKFKALPLPHFDTINLPEKKVKNVTQIEPFCLETDRR

GALKAQTWKHQLEEELRQQKEAACFKARPNTVISQEPFVPKKEKKSVAEGLSGSLVQEPF

QLATEKRAKERQELEKRMAEVEAQKAQQLEEARLQEEEQKKEELARLRRELVHKANPIRK

YQGLEIKSSDQPLTVPVSPKFSTRFHC

>sp|G5EG17| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MGKRDIPSPNENIAPRTIGMRDVDLTAAPAKKAKLDTGERIAVSGRVASVKLTNFMCHAN

LQIDFKTAQNNCFYIGGPNGSGKSALFAAINLGLGGRGSDNDRGNTVKSYIKDGTTQSKI

TITLTNAGLNAHPDFDDLISIERTINQASSTYIMKSVKVTSSDNHVERIVSRKKADVDRI

VSRFSIHLSNPAFWMSQDRSRSFLANFKPANVYKLYLESTNLENIRLSYIRFADALDECF

ALIQLKAGEILNEQKKLKRMQEQRDLQAKLDQDRALVASFCWKLLFCKVRDYNDQIELTL

KKQEAQKTLQDETKKEYAKNRAARTEVEKKIQEFRDEVEVQDAEIAEAREDLDAKKRKVL

EFEEKIRECEQSIRKKTSEKKYMERTIVNAKNEVRILLEKQGNQDLTKRLTKVENDYKDI

SQQRENMELGGESAKLREKLDTVITDYKRKEEEKYTIQRDINQLRRKIEQDMETMRRSRA

TKKDAINKFGSHMAEILMEINRSKSRFQTVPKGPLGKYITLIDPKWAFTVEECIGNLANN

FLCSSHLDAEILRNIFQSLRIPAQDRPTIIVAKCNGRAYTNLHEPSSDFKSIYRVLKFSD

PDVHNVIIDKSNCEQFILIEDKTEAMELMGSNYPPQNAVKAYTLDGSQAYANGPNSQYRF

YSGRGGHARGTFGNDQGDVDEGALARLIEDTKSEAMRLETQDLRKQDHELKVIYNERDQT

KAAIDEFDRKLSNLRSQELQKERQAKDLRAELAQTANEDQVENLNESIEEMQKKIPLIED

EVKDILKNVADITADMAPVIQERKEAEHTLAEIQKETRDFASKSQKLQNELSKYDDAGEI

LKIRLDKVKADEGVFFHTEAKLKSERDDAMEMVENDKKNHPMPPGETDPPDLSSFPSTTE

AQRKIEEMQKAVDRATVGCDTTITLECVKDFKDKLKRLKYLCRMIEDVLIELKNLHAARV

KAYPSLKKFTELKVCNKFQELLAVRGHFIGGLEFDHEKETLNVNVQSSKEKDAMAGRRPE

VLEVEEVDEHSYDDDSDDSTGPRRKKSKKSGQKKKRVRDLKGLSGGERSFVTAALVMSLW

EVMEQPFRMMDEFDVFMDMMNRKLVMDLLVELATKKFPHNQFIFFTPQGIKELNMVDGLQ

VFEMNRVRD

>sp|Q96R06| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [cytoskeleton](https://www.uniprot.org/locations/SL-0090), [spindle](https://www.uniprot.org/locations/SL-0251), spindle pole, [kinetochore](https://www.uniprot.org/locations/SL-0149), [Midbody](https://www.uniprot.org/locations/SL-0469), [centrosome](https://www.uniprot.org/locations/SL-0048), [Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281), [centriolar satellite](https://www.uniprot.org/locations/SL-0485)

MWRVKKLSLSLSPSPQTGKPSMRTPLRELTLQPGALTNSGKRSPACSSLTPSLCKLGLQE

GSNNSSPVDFVNNKRTDLSSEHFSHSSKWLETCQHESDEQPLDPIPQISSTPKTSEEAVD

PLGNYMVKTIVLVPSPLGQQQDMIFEARLDTMAETNSISLNGPLRTDDLVREEVAPCMGD

RFSEVAAVSEKPIFQESPSHLLEESPPNPCSEQLHCSKESLSSRTEAVREDLVPSESNAF

LPSSVLWLSPSTALAADFRVNHVDPEEEIVEHGAMEEREMRFPTHPKESETEDQALVSSV

EDILSTCLTPNLVEMESQEAPGPAVEDVGRILGSDTESWMSPLAWLEKGVNTSVMLENLR

QSLSLPSMLRDAAIGTTPFSTCSVGTWFTPSAPQEKSTNTSQTGLVGTKHSTSETEQLLC

GRPPDLTALSRHDLEDNLLSSLVILEVLSRQLRDWKSQLAVPHPETQDSSTQTDTSHSGI

TNKLQHLKESHEMGQALQQARNVMQSWVLISKELISLLHLSLLHLEEDKTTVSQESRRAE

TLVCCCFDLLKKLRAKLQSLKAEREEARHREEMALRGKDAAEIVLEAFCAHASQRISQLE

QDLASMREFRGLLKDAQTQLVGLHAKQEELVQQTVSLTSTLQQDWRSMQLDYTTWTALLS

RSRQLTEKLTVKSQQALQERDVAIEEKQEVSRVLEQVSAQLEECKGQTEQLELENSRLAT

DLRAQLQILANMDSQLKELQSQHTHCAQDLAMKDELLCQLTQSNEEQAAQWQKEEMALKH

MQAELQQQQAVLAKEVRDLKETLEFADQENQVAHLELGQVECQLKTTLEVLRERSLQCEN

LKDTVENLTAKLASTIADNQEQDLEKTRQYSQKLGLLTEQLQSLTLFLQTKLKEKTEQET

LLLSTACPPTQEHPLPNDRTFLGSILTAVADEEPESTPVPLLGSDKSAFTRVASMVSLQP

AETPGMEESLAEMSIMTTELQSLCSLLQESKEEAIRTLQRKICELQARLQAQEEQHQEVQ

KAKEADIEKLNQALCLRYKNEKELQEVIQQQNEKILEQIDKSGELISLREEVTHLTRSLR

RAETETKVLQEALAGQLDSNCQPMATNWIQEKVWLSQEVDKLRVMFLEMKNEKEKLMIKF

QSHRNILEENLRRSDKELEKLDDIVQHIYKTLLSIPEVVRGCKELQGLLEFLS

>sp|Q13291| [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Secreted](https://www.uniprot.org/locations/SL-0243)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)

MDPKGLLSLTFVLFLSLAFGASYGTGGRMMNCPKILRQLGSKVLLPLTYERINKSMNKSI

HIVVTMAKSLENSVENKIVSLDPSEAGPPRYLGDRYKFYLENLTLGIRESRKEDEGWYLM

TLEKNVSVQRFCLQLRLYEQVSTPEIKVLNKTQENGTCTLILGCTVEKGDHVAYSWSEKA

GTHPLNPANSSHLLSLTLGPQHADNIYICTVSNPISNNSQTFSPWPGCRTDPSETKPWAV

YAGLLGGVIMILIMVVILQLRRRGKTNHYQTTVEKKSLTIYAQVQKPGPLQKKLDSFPAQ

DPCTTIYVAATEPVPESVQETNSITVYASVTLPES

>sp|Q8BYF6| [Membrane](https://www.uniprot.org/locations/SL-0162)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)，

MDASRDIGSFVVWDYVVFAGMLLISAAIGIYYAFAGGGQQTSKDFLMGGRSMSAVPVALS

LTASFMSAVTVLGTPAEVYRFGAIFSIFVITYFFVVVISAEVFLPVFYRLGITSTYEYLE

LRFNRCIRLCGTILFIVQTILYTGIVIYAPALALNQVTGFDLWGAVVATGVVCTFYCTLG

GLKAVVWTDVFQVGIMVAGFASVIIQASITQHGINKILSDAFNGGRLNFWNFDPNPLQRH

TFWTIVIGGTFTWTTIYGVNQSQVQRYISCKSRLHAKLSLYVNLVGLWVILTCSIFCGLA

LYSRYRECDPWTSKKVSAIDQLMPYLVLDILKNYPGVPGLFVACAYSGTLSTVSSSINAL

AAVTVEDLIKPRFKSLSEKSLSWISQGMSVLYGALCIGMAALASLMGALLQAALSIFGMV

GGPLLGLFSLGILVPFANSIGALTGLLAGFAISLWVGIGAQLYPPLPERTLPLPLETYGC

NITHNGSDWMSTTEMPFSTSAFQIHNAERTPLMDNWYSLSYLYFSTIGTLTTLFVGILIS

LSTGGRKQNLDPRFLLTKQDFLSNFDVFKKRNHVLNYKLHPVEVGGTDNPAFNHVELNFT

DHSGKINGTRL

>sp|Q9Y6D0| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097), [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904), [Cell membrane](https://www.uniprot.org/locations/SL-0039),

MVYISNGQVLDSRSQSPWRLSLITDFFWGIAEFVVLFFKTLLQQDVKKRRSYGNSSDSRY

DDGRGPPGNPPRRMGRINHLRGPSPPPMAGGUGR

>sp|Q9FJ47| [Vacuole](https://www.uniprot.org/locations/SL-0272)

MALKHMQIFLFVAIFSSFCFSITLSRPLDNELIMQKRHIEWMTKHGRVYADVKEENNRYV

VFKNNVERIEHLNSIPAGRTFKLAVNQFADLTNDEFRSMYTGFKGVSALSSQSQTKMSPF

RYQNVSSGALPVSVDWRKKGAVTPIKNQGSCGCCWAFSAVAAIEGATQIKKGKLISLSEQ

QLVDCDTNDFGCEGGLMDTAFEHIKATGGLTTESNYPYKGEDATCNSKKTNPKATSITGY

EDVPVNDEQALMKAVAHQPVSVGIEGGGFDFQFYSSGVFTGECTTYLDHAVTAIGYGEST

NGSKYWIIKNSWGTKWGESGYMRIQKDVKDKQGLCGLAMKASYPTI

>sp|Q9Z1F2| [Membrane](https://www.uniprot.org/locations/SL-0162)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909) ，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)，

MESTTSSPQPPPSDALEAFPQKSMEPADIVVLVLYFLFVLAVGLWSTVRTKRDTVKGYFL

AGGDMVWWPVGASLFASNVGSGHFIGLAGSGAAVGISVAAYELNGLFSVLMLAWIFLPIY

IAGQVTTMPEYLKRRFGGSRIPITLASIYPSTHSLTILQVDMYAGAIFIQQSLHLDLYLA

IVGLLAVTALYTVAGGLAAVIYTDALQTVIMLIGAFILMGYSFAAVGGMEGLKDQYFLAL

ASNRSENSSCGLPREDAFHIFRDPLTSDLPWPGILFGMSIPSLWYWCTDQVIVQRSLAAK

NLSHAKGGSLMAAYLKVLPLFLMVFPGMVSRILFPDQVACAHPDICQRVCSNPSGCSDIA

YPKLVLELLPTGLRGLMMAVMVAALMSSLTSIFNSASTIFTMDLWHHIRPRASERELMIV

GRVFVLALVLVSILWIPVVQASQGGQLFIYIQSISSYLQPPVAVVFIMGCFWKRTNEKGA

FSGLILGLLLGLVRLILDFVYVQPRCDQPDDRPAVVKDVHYLYFSMILSSTTLITVFTVS

WFTETPSKEMVSRLTWFTRHEPVAQKDSVPPENPLSLTISQNGTTEATGISIQLESVQEA

TTKAHSDGVSPKQSKVLKAILWLCGMEKDKEEPPSKVEPVIVSLEENPLVKTLLDVNCIV

CISCAIFLWGYFA

>sp|Q9JLJ1| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)， [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904)

MVYISNGQVLDSRNQSPWRVSFLTDFFWGIAEFVVFFFKTLLQQDVKKRRGYGSSSDSRY

DDGRGPPGNPPRRMGRISHLRGPSPPPMAGGUGR

>sp|P97321| [Cell surface](https://www.uniprot.org/locations/SL-0310), [Single-pass type](https://www.uniprot.org/locations/SL-9906) [II membrane protein](https://www.uniprot.org/locations/SL-9906), [Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906),  Single [pass type II membrane protein](https://www.uniprot.org/locations/SL-9906), [Secreted](https://www.uniprot.org/locations/SL-0243)

MKTWLKTVFGVTTLAALALVVICIVLRPSRVYKPEGNTKRALTLKDILNGTFSYKTYFPN

WISEQEYLHQSEDDNIVFYNIETRESYIILSNSTMKSVNATDYGLSPDRQFVYLESDYSK

LWRYSYTATYYIYDLQNGEFVRGYELPRPIQYLCWSPVGSKLAYVYQNNIYLKQRPGDPP

FQITYTGRENRIFNGIPDWVYEEEMLATKYALWWSPDGKFLAYVEFNDSDIPIIAYSYYG

DGQYPRTINIPYPKAGAKNPVVRVFIVDTTYPHHVGPMEVPVPEMIASSDYYFSWLTWVS

SERVCLQWLKRVQNVSVLSICDFREDWHAWECPKNQEHVEESRTGWAGGFFVSTPAFSQD

ATSYYKIFSDKDGYKHIHYIKDTVENAIQITSGKWEAIYIFRVTQDSLFYSSNEFEGYPG

RRNIYRISIGNSPPSKKCVTCHLRKERCQYYTASFSYKAKYYALVCYGPGLPISTLHDGR

TDQEIQVLEENKELENSLRNIQLPKVEIKKLKDGGLTFWYKMILPPQFDRSKKYPLLIQV

YGGPCSQSVKSVFAVNWITYLASKEGIVIALVDGRGTAFQGDKFLHAVYRKLGVYEVEDQ

LTAVRKFIEMGFIDEERIAIWGWSYGGYVSSLALASGTGLFKCGIAVAPVSSWEYYASIY

SERFMGLPTKDDNLEHYKNSTVMARAEYFRNVDYLLIHGTADDNVHFQNSAQIAKALVNA

QVDFQAMWYSDQNHGISSGRSQNHLYTHMTHFLKQCFSLSD

>sp|B5KM66| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Chromosome](https://www.uniprot.org/locations/SL-0468)

MADSDPGERSYDNMLKMLSDLNKDLEKLLEEMEKISVQATWMAYDMVVMRTNPTLAESMR

RLEDAFLNCKEEMEKNWQELLTETKRKQ

>sp|Q9W3M3| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MDEDDNLSNADISIDDEEVVREQTHHPPMQEDQELDNEDGSSDVDLSSVYVVPPIVSAPS

PASVRIAGGSTIGGGGVAAGAVPTTTDNSHSPFHDWDSSVAAAAAPPPPPPRTGPTTTTS

SGTAAESGAASALSDDAGAKPSFFFGASSFSLRSRKEVAALINTECCRGSPTPDLDSIMD

TLFNPGTPIDNLDNIEWIRWLIAGGRTPQEFVKIVRSYDNHAKCGLVWVPHVVAYRCRTC

GISPCMSICRDCFKKGNHTNHDFNMFLSQAGGACDCGDTSVMKAEGFCSDHGINNRVNRD

PVPNNLLAVAEAIMPKLLFRLLQHFREHSDTPLEVQAITSYSCEEFANMLIDLNNMGEIM

RKVMTRTLINPEVYAFFMEAPCQDTRNGRFLKANREKYEDAVNRFPNPEPPDEYRDLPAL

GDKLVHTTLLEEFIFWTFKFEFPQTLVCFLLNMLPDQDYKEHLTRTFVMHYSRIPSVLEM

SRDPDTLSNRVVHMSVQLFSNESLALKMVNELSLLHVMIISLKLMMSKILIQNTLHDPNK

NFHFVIDCTRQVMKDHCYWPLVSDFNNVLSHESVALVFLRDDNLIDMWFQFLQMLQGMNV

NVRETASHVEFEPNSYYAAFSCELEASAYPMWSIISHLQDGTHAHLAKKIINYCVTTLHE

WLDSIYFMEARLSMEEMMQASFHFPLHRYLAAFVCQAVTKMGISLNDVLPSRPYLLPLLM

IHPLRVQSFFYEILAGKWVRNGLQIKGQAMTYIQANFCNSMADMDLFFLQICATNLPQYF

FLQNTIELFDVGQWLETAPLKQPQKAEQSSMLEGFLTFLATLVTSRTNLGNDEATQCIIE

ISALLATENKTHSQLLELMPERSGNVHTKNFETFLKKLSVYKAPSSGSENLEQGLFTPID

EVWEKHYDPLHVLLRAVHRRDFQSSLDRFTNYVKSKDKMPASGNLWPPFRLPHALPATSS

FSDPCKILNSRIFHSTILSIFFRAVHTRDVSEHLLALAVFLLEIAVETSDDVGSGTGDRA

PPALAAVVESSSGPGYHGYGTGRHEPPKLFHCYPTDNLSCNLRHVVKKVSLKSRDPQVIT

SSYRSNPFYSDLDFEVEADPEQSMRMIGQGDPEGDEATGGAGLGMGAHSRRNVSQALVPM

RVPGMEVALPPDLSVVAETGVVIRQDSNEDDLLREGNHAMDMSPPAALDFHFPLQQITLP

ESGMEVAIRRDLLLAETNNMGAIAGGAGGGANASATPPAGASNEMFSPTTPTGSGMLLPF

QRVQPVAVPSSGNMDIVPSNAMGAGGSFTSGVSGSGTGRRMNYETGGARKRSVDIAIGGS

NKDELHLDESILSLLLKLHSQLSGTLDSFSLSDGEDQSSDDDSTMDVDCNEASTSMAAAE

STALAERGRSKRNYKNIHVSSSRIGDGPFFIGNLLRKIAKQDEQCAQSIDDIRARLWPNQ

REKQAEAKAREAKEKEERRKKARERQQKMMQDFANKQKLFMQSAAASSSGMGYGPEDEDD

EELYEEQPREKEYDCIICNCTTPSTESNPIGLVVLVESSGIVGHRRRIAERLPLPINAED

ESRLAHTTRLAAEFNRRTELLSLKFGDESWYLSNNMAYDNGVHVQSCGHHVHLSCLEAYL

KTLYTTQRQPVQDRGEFYCPVCRQLSNSVLPLSPQLDRPTHLVRSGNQPFERLVADLTDL

IKENETIPQPTKLTEAMGHAMEVMTNIAQRKVKCSSITFRKLFIFVTSIARTNLEAEIIQ

RGGSLCTANATRYKPKRECIVPLLHVLSVHVRVLVEWPLWSSWASLAGLPVTATEPLPAH

CLELIPSILADPIALLLKFILLAPLQLDQDYFTCMVKVMYNLLYYQIVVQLCVTLTDLEC

DHIVKVYGSTSVGSDNSAAESQQQESAAGTTNNRRRAGQQQQSSSQLGKAMALVLSQTND

LVHLRRDCIPSTSSSAAASAAGSSSTTSTNHGASAATASSATTIEVNLKSMELQLQALCL

PFLRVAALLRQHLYRHEMPEISAPGLEFVRLVYYLELVTDSMDWDCFNASKGLCFIPGTE

TTLPQFWCQQLMEVRPPADTVRELVLINQHSLWQQPRLLELPREYERLFTYYHERPCLNC

YKVPKESSICLLCGTIVCLKQNCCAENDCCEAVRHTLSCGGGIGIFLVVTSTYIIVIRGR

RACLWGSLYLDDFDEEDRDLKRGKPLYLSKDRFNLLESQWLSHKFAHTKHTWVFHRDLL

>sp|Q04206| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDELFPLIFPAEPAQASGPYVEIIEQPKQRGMRFRYKCEGRSAGSIPGERSTDTTKTHPT

IKINGYTGPGTVRISLVTKDPPHRPHPHELVGKDCRDGFYEAELCPDRCIHSFQNLGIQC

VKKRDLEQAISQRIQTNNNPFQVPIEEQRGDYDLNAVRLCFQVTVRDPSGRPLRLPPVLS

HPIFDNRAPNTAELKICRVNRNSGSCLGGDEIFLLCDKVQKEDIEVYFTGPGWEARGSFS

QADVHRQVAIVFRTPPYADPSLQAPVRVSMQLRRPSDRELSEPMEFQYLPDTDDRHRIEE

KRKRTYETFKSIMKKSPFSGPTDPRPPPRRIAVPSRSSASVPKPAPQPYPFTSSLSTINY

DEFPTMVFPSGQISQASALAPAPPQVLPQAPAPAPAPAMVSALAQAPAPVPVLAPGPPQA

VAPPAPKPTQAGEGTLSEALLQLQFDDEDLGALLGNSTDPAVFTDLASVDNSEFQQLLNQ

GIPVAPHTTEPMLMEYPEAITRLVTGAQRPPDPAPAPLGAPGLPNGLLSGDEDFSSIADM

DFSALLSQISS

>sp|Q04207| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDDLFPLIFPSEPAQASGPYVEIIEQPKQRGMRFRYKCEGRSAGSIPGERSTDTTKTHPT

IKINGYTGPGTVRISLVTKDPPHRPHPHELVGKDCRDGYYEADLCPDRSIHSFQNLGIQC

VKKRDLEQAISQRIQTNNNPFHVPIEEQRGDYDLNAVRLCFQVTVRDPAGRPLLLTPVLS

HPIFDNRAPNTAELKICRVNRNSGSCLGGDEIFLLCDKVQKEDIEVYFTGPGWEARGSFS

QADVHRQVAIVFRTPPYADPSLQAPVRVSMQLRRPSDRELSEPMEFQYLPDTDDRHRIEE

KRKRTYETFKSIMKKSPFNGPTEPRPPTRRIAVPTRNSTSVPKPAPQPYTFPASLSTINF

DEFSPMLLPSGQISNQALALAPSSAPVLAQTMVPSSAMVPLAQPPAPAPVLTPGPPQSLS

APVPKSTQAGEGTLSEALLHLQFDADEDLGALLGNSTDPGVFTDLASVDNSEFQQLLNQG

VSMSHSTAEPMLMEYPEAITRLVTGSQRPPDPAPTPLGTSGLPNGLSGDEDFSSIADMDF

SALLSQISS

>sp|P14079| [Host nucleus](https://www.uniprot.org/locations/SL-0414)，[Host cytoplasm](https://www.uniprot.org/locations/SL-0381)

MAHFPGFGQSLLFGYPVYVFGDCVQGDWCPISGGLCSARLHRHALLATCPEHQITWDPID

GRVIGSALQFLIPRLPSFPTQRTSKTLKVLTPPITHTTPNIPPSFLQAMRKYSPFRNGYM

EPTLGQHLPTLSFPDPGLRPQNLYTLWGGSVVCMYLYQLSPPITWPLLPHVIFCHPGQLG

AFLTNVPYKRIEKLLYKISLTTGALIILPEDCLPTTLFQPARAPVTLTAWQNGLLPFHST

LTTPGLIWTFTDGTPMISGPCPKDGQPSLVLQSSSFIFHKFQTKAYHPSFLLSHGLIQYS

SFHNLHLLFEEYTNIPISLLFNEKEADDNDHEPQISPGGLEPLSEKHFRETEV

>sp|Q9NR00| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [nucleolus](https://www.uniprot.org/locations/SL-0188), [Nucleus speckle](https://www.uniprot.org/locations/SL-0186), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MKAKRSHQAVIMSTSLRVSPSIHGYHFDTASRKKAVGNIFENTDQESLERLFRNSGDKKA

EERAKIIFAIDQDVEEKTRALMALKKRTKDKLFQFLKLRKYSIKVH

>sp|P54811| [perinuclear region](https://www.uniprot.org/locations/SL-0198)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MASVPTHQSEKEKKNDELSTAILKDKVKPNRLIVDQSEQDDNSVIAVSQAKMDELGLFRG

DAVILKGKKRKESVAIIVSDESCPNEKVRMNRVVRNNLRIRLGDVVSITPAPNLSYGTRI

HVLPIDDTIEGLTGNLFDVFLKPYFLEAYRPLHKGDIFTVQAAMRTVEFKVVETEPAPAC

IVSPDTMIHYEGDPIKREEEEESMNDIGYDDLGGVRKQLAQIKEMVELPLRHPQLFKAIG

IKPPRGILLFGPPGTGKTLIARAVANETGSFFFLINGPEVMSKMSGESESNLRKAFEECE

KNQPAILFIDEIDAIAPKREKTNGEVERRIVSQLLTLMDGVKGRSNLVVIAATNRPNSID

GALRRFGRFDREIDIGIPDAVGRLEILRIHTKNMKLADDVDLEQIANECHGFVGADLASL

CSEAALQQIREKMELIDLEDDQIDAEVLNSLAVTMENFRFAQGKSSPSALREAVVETPNT

TWSDIGGLQNVKRELQELVQYPVEHPEKYLKFGMQPSRGVLFYGPPGCGKTLLAKAIANE

CQANFISIKGPELLTMWFGESEANVRDVFDKARAAAPCVLFFDELDSIAKARGGGAGGDG

GGASDRVINQVLTEMDGMNAKKNVFIIGATNRPDIIDPAVLRPGRLDQLIYIPLPDEASR

HQILKASLRKTPLSKDLDLTFLAKNTVGFSGADLTEICQRACKLAIRESIEKEIRIEKER

QDRQARGEELMEDDAVDPVPEITRAHFEEAMKFARRSVTDNDIRKYEMFAQTLQQSRGFG

NNFKFPGEQRGSDAPSAPVPAQDDDDLYN

>sp|Q5T1C6| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [ruffle membrane](https://www.uniprot.org/locations/SL-0301), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903),

MLRSCAARLRTLGALCLPPVGRRLPGSEPRPELRSFSSEEVILKDCSVPNPSWNKDLRLL

FDQFMKKCEDGSWKRLPSYKRTPTEWIQDFKTHFLDPKLMKEEQMSQAQLFTRSFDDGLG

FEYVMFYNDIEKRMVCLFQGGPYLEGPPGFIHGGAIATMIDATVGMCAMMAGGIVMTANL

NINYKRPIPLCSVVMINSQLDKVEGRKFFVSCNVQSVDEKTLYSEATSLFIKLNPAKSLT

>sp|P10599| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Secreted](https://www.uniprot.org/locations/SL-0243)

MVKQIESKTAFQEALDAAGDKLVVVDFSATWCGPCKMIKPFFHSLSEKYSNVIFLEVDVD

DCQDVASECEVKCMPTFQFFKKGQKVGEFSGANKEKLEATINELV

>sp|P23950| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，

MTTTLVSATIFDLSEVLCKGNKMLNYSTPSAGGCLLDRKAVGTPAGGGFPRRHSVTLPSS

KFHQNQLLSSLKGEPAPSLSSRDSRFRDRSFSEGGERLLPTQKQPGSGQVNSSRYKTELC

RPFEENGACKYGDKCQFAHGIHELRSLTRHPKYKTELCRTFHTIGFCPYGPRCHFIHNAE

ERRALAGGRDLSADRPRLQHSFSFAGFPSAAATAAATGLLDSPTSITPPPILSADDLLGS

PTLPDGTNNPFAFSSQELASLFAPSMGLPGGGSPTTFLFRPMSESPHMFDSPPSPQDSLS

DHEGYLSSSSSSHSGSDSPTLDNSRRLPIFSRLSISDD

>sp|Q5AD05| [cell wall](https://www.uniprot.org/locations/SL-0041)，[Membrane](https://www.uniprot.org/locations/SL-0162)，[GPI-anchor](https://www.uniprot.org/locations/SL-9902)

MKYLSIISIVALALAGDSPISTDSKGKAPLVARFKKTSKSDIEGTIKFEPANNGTVLVSV

DLTGLPSGVGPYPYHVHEKPVPESKNCTATGMHFNPFNGSTTAKTPAALELGDLSGRHGN

ITSESFEVEYDDSYISLNKDSKAYIGGLSIVVHSNNNTRLNCANITTLDEGDDTASAATW

SNSSSSSSSSSKNSTNGSSGSSTSASQGSGAGRAEISGFLAAGIAGVVAALI

>sp|Q9H4L4| [nucleolus](https://www.uniprot.org/locations/SL-0188)，[nucleoplasm](https://www.uniprot.org/locations/SL-0190)，

MKETIQGTGSWGPEPPGPGIPPAYSSPRRERLRWPPPPKPRLKSGGGFGPDPGSGTTVPA

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TCSQRRRRAMRAFRMLLYSKSTSLTFHWKLWGRHRGRRRGLAHPKNHLSPQQGGATPQVP

SPCCRFDSPRGPPPPRLGLLGALMAEDGVRGSPPVPSGPPMEEDGLRWTPKSPLDPDSGL

LSCTLPNGFGGQSGPEGERSLAPPDASILISNVCSIGDHVAQELFQGSDLGMAEEAERPG

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KVHFFNSFFYDKLRTKGYDGVKRWTKNVDIFNKELLLIPIHLEVHWSLISVDVRRRTITY

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KHLALSQPFSFTQQDMPKLRRQIYKELCHCKLTV

>sp|Q7Z333| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[nucleoplasm](https://www.uniprot.org/locations/SL-0190)，[nucleolus](https://www.uniprot.org/locations/SL-0188)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Chromosome](https://www.uniprot.org/locations/SL-0468)，[telomere](https://www.uniprot.org/locations/SL-0276)，[axon](https://www.uniprot.org/locations/SL-0279)，[growth cone](https://www.uniprot.org/locations/SL-0288)

MSTCCWCTPGGASTIDFLKRYASNTPSGEFQTADEDLCYCLECVAEYHKARDELPFLHEV

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>sp|A2AKX3| [nucleoplasm](https://www.uniprot.org/locations/SL-0190)，[nucleolus](https://www.uniprot.org/locations/SL-0188)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Chromosome](https://www.uniprot.org/locations/SL-0468)，

MSTCCWCTPGGSSTIDVLKRYASSTGSSEFQTADEDLCYCLECVAEYHRARDEVPFLHEV

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KRRQFL

>sp|O43255| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MSRPSSTGPSANKPCSKQPPPQPQHTPSPAAPPAAATISAAGPGSSAVPAAAAVISGPGG

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LEAVMSHLMHAHKSITTLQGEDIVFLATDINLPGAVDWVMMQSCFGHHFMLVLEKQEKYE

GHQQFFAIVLLIGTRKQAENFAYRLELNGNRRRLTWEATPRSIHDGVAAAIMNSDCLVFD

TAIAHLFADNGNLGINVTISTCCP

>sp|Q9ES52| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Membrane raft](https://www.uniprot.org/locations/SL-0370), [cytoskeleton](https://www.uniprot.org/locations/SL-0090)

MPAMVPGWNHGNITRSKAEELLSRAGKDGSFLVRASESIPRAYALCVLFRNCVYTYRILP

NEDDKFTVQASEGVPMRFFTKLDQLIDFYKKENMGLVTHLQYPVPLEEEDAIDEAEEDTV

ESVMSPPELPPRNIPMSAGPSEAKDLPLATENPRAPEVTRLSLSETLFQRLQSMDTSGLP

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VILVETEKEKILRKEYVFADSKKREGFCQLLQQMKNKHSEQPEPDMITIFIGTWNMGNAP

PPKKITSWFLSKGQGKTRDDSADYIPHDIYVIGTQEDPLGEKEWLELLRHSLQEVTSMTF

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VNSHLTSGSEKKLRRNQNYMNILRFLALGDKKLSPFNITHRFTHLFWLGDLNYRVELPTW

EAEAIIQKIKQQQYSDLLAHDQLLLERKDQKVFLHFEEEEITFAPTYRFERLTRDKYAYT

KQKATGMKYNLPSWCDRVLWKSYPLVHVVCQSYGSTSDIMTSDHSPVFATFEAGVTSQFV

SKNGPGTVDSQGQIEFLACYATLKTKSQTKFYLEFHSSCLESFVKSQEGENEEGSEGELV

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THHGEMTGHFRGEIKLQTSQGKMREKLYDFVKTERDESSGMKCLKNLTSHDPMRQWEPSG

RVPACGVSSLNEMINPNYIGMGPFGQPLHGKSTLSPDQQLTAWSYDQLPKDSSLGPGRGE

GPPTPPSQPPLSPKKFSSSTANRGPCPRVQEARPGDLGKVEALLQEDLLLTKPEMFENPL

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>sp|Q69ZI1| [lamellipodium](https://www.uniprot.org/locations/SL-0291), [trans-Golgi network](https://www.uniprot.org/locations/SL-0266)

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PRVQAWSPPVRGIPQLPCAKALYNYEGKEPGDLKFSKGDIIILRRQVDENWYHGEVSGVH

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VAAAAAAAAAAGMGPRPVMGSSEQIAHLRPQTRPSVYVAIYPYTPRKEDELELRKGEMFL

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STAGGPTQKPQGNGVAGNPSVVPTAVVSAAHIQTSPQAKVLLHMSGQMTVNQARNAVRTV

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>sp|Q12884| [Cell surface](https://www.uniprot.org/locations/SL-0310),; [Cell membrane](https://www.uniprot.org/locations/SL-0039); [Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906), [lamellipodium membrane](https://www.uniprot.org/locations/SL-0292),  [Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906) , [invadopodium membrane](https://www.uniprot.org/locations/SL-0290) [ruffle membrane](https://www.uniprot.org/locations/SL-0301), [Secreted](https://www.uniprot.org/locations/SL-0243), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MKTWVKIVFGVATSAVLALLVMCIVLRPSRVHNSEENTMRALTLKDILNGTFSYKTFFPN

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>sp|Q9JI99| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097), [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MSLGQRLALLASRLQEPQRVASFQRLCGVEVPLSSPAADEDAETEVRGAPGEPRRRGRQP

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GMLLVLFVRDIMKKITIPLACKLSSIPCHDIRQARQHMEVELPYRYITYGMVGFSITFLV

PYVFSFIGIS

>sp|Q6AYE2| [Cytoplasm](https://www.uniprot.org/locations/SL-0086); [Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134); [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MNIMDFNVKKLAADAGTFLSRAVQFTEEKLGQAEKTELDAHLENLLSKAECTKVWTEKIM

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CYQYMLDLQKQLGSFPSNYVSNNNQTSGTPVPYTLSNTIGPSAVASTGSLVITCPPNLSD

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LELLN

>sp|Q96B97| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [cytoskeleton](https://www.uniprot.org/locations/SL-0090), [Cytoplasmic vesicle membrane](https://www.uniprot.org/locations/SL-0089), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [synaptosome](https://www.uniprot.org/locations/SL-0261)

MVEAIVEFDYQAQHDDELTISVGEIITNIRKEDGGWWEGQINGRRGLFPDNFVREIKKEM

KKDPLTNKAPEKPLHEVPSGNSLLSSETILRTNKRGERRRRRCQVAFSYLPQNDDELELK

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IKKIPPERPEMLPNRTEEKERPEREPKLDLQKPSVPAIPPKKPRPPKTNSLSRPGALPPR

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TSRPKATGRRPPSQSLTSSSLSSPDIFDSPSPEEDKEEHISLAHRGVDASKKTSKTVTIS

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PAASSQAAVEELRTQVRELRSIIETMKDQQKREIKQLLSELDEEKKIRLRLQMEVNDIKK

ALQSK

>sp|Q9Y448| [Nucleus](https://www.uniprot.org/locations/SL-0191), [kinetochore](https://www.uniprot.org/locations/SL-0149), [spindle pole](https://www.uniprot.org/locations/SL-0448)

MAAPEAPPLDRVFRTTWLSTECDSHPLPPSYRKFLFETQAADLAGGTTVAAGNLLNESEK

DCGQDRRAPGVQPCRLVTMTSVVKTVYSLQPPSALSGGQPADTQTRATSKSLLPVRSKEV

DVSKQLHSGGPENDVTKITKLRRENGQMKATDTATRRNVRKGYKPLSKQKSEEELKDKNQ

LLEAVNKQLHQKLTETQGELKDLTQKVELLEKFRDNCLAILESKGLDPALGSETLASRQE

STTDHMDSMLLLETLQEELKLFNETAKKQMEELQALKVKLEMKEERVRFLEQQTLCNNQV

NDLTTALKEMEQLLEM

>sp|Q99720| [Nucleus inner membrane](https://www.uniprot.org/locations/SL-0179)，[Nucleus outer membrane](https://www.uniprot.org/locations/SL-0183)，[Nucleus envelope](https://www.uniprot.org/locations/SL-0178)，[Cytoplasmic vesicle](https://www.uniprot.org/locations/SL-0088)，[Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)，[Membrane](https://www.uniprot.org/locations/SL-0162)，Single-pass membrane protein，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Cell junction](https://www.uniprot.org/locations/SL-0038)，[growth cone](https://www.uniprot.org/locations/SL-0288)，[postsynaptic density](https://www.uniprot.org/locations/SL-0297)

MQWAVGRRWAWAALLLAVAAVLTQVVWLWLGTQSFVFQREEIAQLARQYAGLDHELAFSR

LIVELRRLHPGHVLPDEELQWVFVNAGGWMGAMCLLHASLSEYVLLFGTALGSRGHSGRY

WAEISDTIISGTFHQWREGTTKSEVFYPGETVVHGPGEATAVEWGPNTWMVEYGRGVIPS

TLAFALADTVFSTQDFLTLFYTLRSYARGLRLELTTYLFGQDP

>sp|O43765| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MDNKKRLAYAIIQFLHDQLRHGGLSSDAQESLEVAIQCLETAFGVTVEDSDLALPQTLPE

IFEAAATGKEMPQDLRSPARTPPSEEDSAEAERLKTEGNEQMKVENFEAAVHFYGKAIEL

NPANAVYFCNRAAAYSKLGNYAGAVQDCERAICIDPAYSKAYGRMGLALSSLNKHVEAVA

YYKKALELDPDNETYKSNLKIAELKLREAPSPTGGVGSFDIAGLLNNPGFMSMASNLMNN

PQIQQLMSGMISGGNNPLGTPGTSPSQNDLASLIQAGQQFAQQMQQQNPELIEQLRSQIR

SRTPSASNDDQQE

>sp|G5ED35| [Secreted](https://www.uniprot.org/locations/SL-0243)，[Cell surface](https://www.uniprot.org/locations/SL-0310)

MSRFLIYFLPFFIYSGNVLSKTSCLMATGVLKCPTDPEAVKKVHIDLWDEDSLPLESDDL

MGRTWSDRNGNFQVTGCASDFGPINTPDPYLYIQHNCPHRDSNATNPIQIDVIPLFLPSI

VRLGNVYLDRYLEDY

>sp|P22893| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)，[P-body](https://www.uniprot.org/locations/SL-0230)

MDLSAIYESLQSMSHDLSSDHGGTESLGGLWNINSDSIPSGVTSRLTGRSTSLVEGRSCG

WVPPPPGFAPLAPRPGPELSPSPTSPTATPTTSSRYKTELCRTYSESGRCRYGAKCQFAH

GLGELRQANRHPKYKTELCHKFYLQGRCPYGSRCHFIHNPTEDLALPGQPHVLRQSISFS

GLPSGRRSSPPPPGFSGPSLSSCSFSPSSSPPPPGDLPLSPSAFSAAPGTPVTRRDPNQA

CCPSCRRSTTPSTIWGPLGGLARSPSAHSLGSDPDDYASSGSSLGGSDSPVFEAGVFGPP

QTPAPPRRLPIFNRISVSE

>sp|P47973| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，

MDLSAIYESLMSMSHDLSPDHGGTESSGGLWNINSSDSIPSGVTSRLTGRSTSLVEGRSC

SWVPPPPGFAPLAPRPGPELSPSPTSPTATPTTSSRYKTELCRTYSESGRCRYGAKCQFA

HGPGELRQANRHPKYKTELCHKFYLQGRCPYGSRCHFIHNPTEDLALPGQPHVLRQSISF

SGLPSGRRTSPPPPGFSGPSLSSCSFSPSSSPPPPGDLPLSPSAFSAAPGTPVSRRDPTP

ACCPSCRRSTTPSTIWGPLGGLARSPSAHSLGSDPDDYASSGSSLGGSDSPVFEAGVFGP

PQPPAPPRRLPIFNRISVSE

>sp|Q8N841| [cilium](https://www.uniprot.org/locations/SL-0066)，[cilium basal body](https://www.uniprot.org/locations/SL-0087)

MPQCPTLESQEGENSEEKGDSSKEDPKETVALAFVRENPGAQNGLQNAQQQGKKKRKKKR

LVINLSSCRYESVRRAAQQYGFREGGEDDDWTLYWTDYSVSLERVMEMKSYQKINHFPGM

SEICRKDLLARNMSRMLKMFPKDFRFFPRTWCLPADWGDLQTYSRSRKNKTYICKPDSGC

QGKGIFITRTVKEIKPGEDMICQLYISKPFIIDGFKFDLRIYVLVTSCDPLRIFVYNEGL

ARFATTSYSRPCTDNLDDICMHLTNYSINKHSSNFSRDAHSGSKRKLSTFSAYLEDHSYN

VEQIWRDIEDVIIKTLISAHPIIRHNYHTCFPNHTLNSACFEILGFDILLDHKLKPWLLE

VNHSPSFSTDSRLDKEVKDGLLYDTLVLINLESCDKKKVLEEERQRGQFLQQCCSREMRI

EEAKGFRAVQLKKTETYEKENCGGFRLIYPSLNSEKYEKFFQDNNSLFQNTVASRAREEY

ARQLIQELRLKREKKPFQMKKKVEMQGESAGEQVRKKGMRGWQQKQQQKDKAATQASKQY

IQPLTLVSYTPDLLLSVRGERKNETDSSLNQEAPTEEASSVFPKLTSAKPFSSLPDLRNI

NLSSSKLEPSKPNFSIKEAKSASAVNVFTGTVHLTSVETTPESTTQLSISPKSPPTLAVT

ASSEYSGPETDRVVSFKCKKQQTPPHLTQKKMLKSFLPTKSKSFWESPNTNWTLLKSDMN

KPHLISELLTKLQLSGKLSFFPAHYNPKLGMNNLSQNPSLPGECHSRSDSSGEKRQLDVS

SLLLQSPQSYNVTLRDLLVIATPAQLDPRPCRSHASAMRDPCMQDQEAYSHCLISGQKGC

ERS

>sp|Q494U1| [Cell membrane](https://www.uniprot.org/locations/SL-0039), Lipid-anchor, [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171)

MGNSHCVPQAPRRLRASFSRKPSLKGNREDSARMSAGLPGPEAARSGDAAANKLFHYIPG

TDILDLENQRENLEQPFLSVFKKGRRRVPVRNLGKVVHYAKVQLRFQHSQDVSDCYLELF

PAHLYFQAHGSEGLTFQGLLPLTELSVCPLEGSREHAFQITGPLPAPLLVLCPSRAELDR

WLYHLEKQTALLGGPRRCHSAPPQRRLTRLRTASGHEPGGSAVCASRVKLQHLPAQEQWD

RLLVLYPTSLAIFSEELDGLCFKGELPLRAVHINLEEKEKQIRSFLIEGPLINTIRVVCA

SYEDYGHWLLCLRAVTHREGAPPLPGAESFPGSQVMGSGRGSLSSGGQTSWDSGCLAPPS

TRTSHSLPESSVPSTVGCSSQHTPDQANSDRASIGRRRTELRRSGSSRSPGSKARAEGRG

PVTPLHLDLTQLHRLSLESSPDAPDHTSETSHSPLYADPYTPPATSHRRVTDVRGLEEFL

SAMQSARGPTPSSPLPSVPVSVPASDPRSCSSGPAGPYLLSKKGALQSRAAQRHRGSAKD

GGPQPPDAPQLVSSAREGSPEPWLPLTDGRSPRRSRDPGYDHLWDETLSSSHQKCPQLGG

PEASGGLVQWI

>sp|Q63433| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，

MAGDAVQSEPRSWSLLEQLGLAGADLAAPGVQQQLELERERLKREIRKELKLKEGAENLR

RATTDLGRSLAPVELLLRGSARRLDLLHQQLQELHAHVVLPDPTAGSDAPQSLAEGSPVC

SSTNLSRVAGLEKQLAIELKVKQGAENMIQTYSNGSTKDRKLLLTAQQMLQDSKTKIDII

RMQLRRALQALQAGQLESQAAPDEAHGDPDLGAVELRIEELRHHFRVEHAVAEGAKNVLR

LLSAAKAPDRKAVSEAQEKLTESNQKLGLLRESLERRLGELPADHPKGRLLREELTAASS

AAFSAILPGPFPATHYSTLSKPAPLTGTLEVRVVGCKNLPETIPWSPPPSVGASGTPDSR

TPFLSRPARGLYNRSGSLSGRSSLKGEAENSTEVSTVLKLDNTVVGQTAWKPCGPNAWDQ

SFTLELERARELELAVFWRDQRGLCALKFLKLEDFLDNERHEVQLDMEPQGCLVAEVTFR

NPIIERIPRLQRQKKIFSKQQGQTFQRARQMNIDVATWVRLLRRLIPNAVATGSFSPNAS

PGSEIRSTGDISMEKLNLGADSDSSSQKSPAGLPSTSCSLSSPTHESTTSPELPSETQET

PGPGLCSPLRKSPLTLEDFKFLAVLGRGHFGKVLLSEFHSSGELFAIKALKKGDIVARDE

VESLMCEKRILATVTRAGHPFLVNLFGCFQTPEHVCFVMEYSAGGDLMLHIHSDVFSEPR

AVFYSACVVLGLQFLHEHKIVYRDLKLDNLLLDTEGYVKIADFGLCKEGMGYGDRTSTFC

GTPEFLAPEVLTDTSYTRAVDWWGLGVLLYEMLVGESPFPGDDEEEVFDSIVNDEVRYPR

FLSAEAIGIMRRLLRRNPERRLGSTERDAEDVKKQPFFRTLDWDALLARRLPPPFVPTLS

GRTDVSNFDEEFTGEAPTLSPPRDARPLTAAEQAAFRDFDFVAGGY

>sp|Q9N2L7| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [centrosome](https://www.uniprot.org/locations/SL-0048), [kinetochore](https://www.uniprot.org/locations/SL-0149), [Chromosome](https://www.uniprot.org/locations/SL-0468)

MQRVQPSAARVKSQKKEKAPPDVPDVILDGERKTRYEKGKFLGKGGFAHCYELRNKSTGE

LFAGKVVPKALLIKQYQRDKMAQEVQIHRNLQHRNVVKLYHFFEDKSNVYITLELCPRRS

LMELHKRRKAVTEPEARYFTYQIVEGVLYLHNLKIVHRDLKLGNLFLNDELQVKIGDFGL

ATTCDNDERKKTLCGTPNYIAPEVLNKIGHSFEVDLWAIGCILYILLFGHPPFESKSLEE

TYSRIKNNNYVIPTSASAAASQLIRVLLDPVPSRRPNARAVCRDHFFKSGFMPARLPVSC

LTMVPHLNDDEYAEENVSPSGTIDQRGPHQAGRSGLSAIPAHLVSRNSERQQTHRMEAYR

QPTDCYLSNLLAQVNDLLATPTADIDDAEAALDSYQSPEALPVFWISKWVDYSDKYGIGY

QLCDNSVGVLFNDNSRIMLDTAGTQLTYIEKTEKEHYFDMESAIPSGLQKKMTLLKYFRS

YMNDHLLQAGQQVTRKVGDDLARLPTLRVWFRTKSAIVLHLSNGTVQINFFNDHIKMVLC

PLMQAVTFIDENKRMFTYKFSHLAENGCPEKFLHRIQYAKCMIQRLVEEHTKEETKHNAP

AANAVRLPSTSSNVRLESAADIQPAYPSSSRR

>sp|O43663|PRC1\_HUMAN Protein regulator of cytokinesis 1 OS=Homo sapiens OX=9606 GN=PRC1 PE=1 SV=2

MRRSEVLAEESIVCLQKALNHLREIWELIGIPEDQRLQRTEVVKKHIKELLDMMIAEEES

LKERLIKSISVCQKELNTLCSELHVEPFQEEGETTILQLEKDLRTQVELMRKQKKERKQE

LKLLQEQDQELCEILCMPHYDIDSASVPSLEELNQFRQHVTTLRETKASRREEFVSIKRQ

IILCMEALDHTPDTSFERDVVCEDEDAFCLSLENIATLQKLLRQLEMQKSQNEAVCEGLR

TQIRELWDRLQIPEEEREAVATIMSGSKAKVRKALQLEVDRLEELKMQNMKKVIEAIRVE

LVQYWDQCFYSQEQRQAFAPFCAEDYTESLLQLHDAEIVRLKNYYEVHKELFEGVQKWEE

TWRLFLEFERKASDPNRFTNRGGNLLKEEKQRAKLQKMLPKLEEELKARIELWEQEHSKA

FMVNGQKFMEYVAEQWEMHRLEKERAKQERQLKNKKQTETEMLYGSAPRTPSKRRGLAPN

TPGKARKLNTTTMSNATANSSIRPIFGGTVYHSPVSRLPPSGSKPVAASTCSGKKTPRTG

RHGANKENLELNGSILSGGYPGSAPLQRNFSINSVASTYSEFAKDPSLSDSSTVGLQREL

SKASKSDATSGILNSTNIQS

>sp|O15162| [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906)，[Membrane](https://www.uniprot.org/locations/SL-0162)， [Lipid-anchor](https://www.uniprot.org/locations/SL-9901)， [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[perinuclear region](https://www.uniprot.org/locations/SL-0198)

MDKQNSQMNASHPETNLPVGYPPQYPPTAFQGPPGYSGYPGPQVSYPPPPAGHSGPGPAG

FPVPNQPVYNQPVYNQPVGAAGVPWMPAPQPPLNCPPGLEYLSQIDQILIHQQIELLEVL

TGFETNNKYEIKNSFGQRVYFAAEDTDCCTRNCCGPSRPFTLRIIDNMGQEVITLERPLR

CSSCCCPCCLQEIEIQAPPGVPIGYVIQTWHPCLPKFTIQNEKREDVLKISGPCVVCSCC

GDVDFEIKSLDEQCVVGKISKHWTGILREAFTDADNFGIQFPLDLDVKMKAVMIGACFLI

DFMFFESTGSQEQKSGVW

>sp|Q8CDG1| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDPVRPLFRGPTPVHPSQCVRMPGCWPQAPRPLEPAWGRAGPAGRGLVFRKPEDSSPPLQ

PVQKDSVGLVSMFRGMGLDTAFRPPSKREVPPLGRGVLGRGLSANMVRKDREEPRSSLPD

PSVLAAGDSKLAEASVGWSRMLGRGSSEVSLLPLGRAASSIGRGMDKPPSAFGLTARDPP

RLPQPPALSPTSLHSADPPPVLTMERKEKELLVKQGSKGTPQSLGLNLIKIQCHNEAVYQ

YHVTFSPSVECKSMRFGMLKDHQSVTGNVTAFDGSILYLPVKLQQVVELKSQRKTDDAEI

SIKIQLTKILEPCSDLCIPFYNVVFRRVMKLLDMKLVGRNFYDPTSAMVLQQHRLQIWPG

YAASIRRTDGGLFLLADVSHKVIRNDSVLDVMHAIYQQNKEHFQDECSKLLVGSIVITRY

NNRTYRIDDVDWNKTPKDSFVMSDGKEITFLEYYSKNYGITVKEDDQPLLIHRPSERQNN

HGMLLKGEILLLPELSFMTGIPEKMKKDFRAMKDLTQQINLSPKQHHGALECLLQRISQN

ETASNELTRWGLSLHKDVHKIEGRLLPMERINLRNTSFVTSEDLNWVKEVTRDASILTIP

MHFWALFYPKRAMDQARELVNMLEKIAGPIGMRISPPAWVELKDDRIETYIRTIQSLLGV

EGKIQMVVCIIMGTRDDLYGAIKKLCCVQSPVPSQVINVRTIGQPTRLRSVAQKILLQMN

CKLGGELWGVDIPLKQLMVIGMDVYHDPSRGMRSVVGFVASINLTLTKWYSRVVFQMPHQ

EIVDSLKLCLVGSLKKYYEVNHCLPEKIVVYRDGVSDGQLKTVANYEIPQLQKCFEAFDN

YHPKMVVFVVQKKISTNLYLAAPDHFVTPSPGTVVDHTITSCEWVDFYLLAHHVRQGCGI

PTHYICVLNTANLSPDHMQRLTFKLCHMYWNWPGTIRVPAPCKYAHKLAFLSGQILHHEP

AIQLCGNLFFL

>sp|P11940| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MNPSAPSYPMASLYVGDLHPDVTEAMLYEKFSPAGPILSIRVCRDMITRRSLGYAYVNFQ

QPADAERALDTMNFDVIKGKPVRIMWSQRDPSLRKSGVGNIFIKNLDKSIDNKALYDTFS

AFGNILSCKVVCDENGSKGYGFVHFETQEAAERAIEKMNGMLLNDRKVFVGRFKSRKERE

AELGARAKEFTNVYIKNFGEDMDDERLKDLFGKFGPALSVKVMTDESGKSKGFGFVSFER

HEDAQKAVDEMNGKELNGKQIYVGRAQKKVERQTELKRKFEQMKQDRITRYQGVNLYVKN

LDDGIDDERLRKEFSPFGTITSAKVMMEGGRSKGFGFVCFSSPEEATKAVTEMNGRIVAT

KPLYVALAQRKEERQAHLTNQYMQRMASVRAVPNPVINPYQPAPPSGYFMAAIPQTQNRA

AYYPPSQIAQLRPSPRWTAQGARPHPFQNMPGAIRPAAPRPPFSTMRPASSQVPRVMSTQ

RVANTSTQTMGPRPAAAAAAATPAVRTVPQYKYAAGVRNPQQHLNAQPQVTMQQPAVHVQ

GQEPLTASMLASAPPQEQKQMLGERLFPLIQAMHPTLAGKITGMLLEIDNSELLHMLESP

ESLRSKVDEAVAVLQAHQAKEAAQKAVNSATGVPTV

>sp|Q9H300| [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MAWRGWAQRGWGCGQAWGASVGGRSCEELTAVLTPPQLLGRRFNFFIQQKCGFRKAPRKV

EPRRSDPGTSGEAYKRSALIPPVEETVFYPSPYPIRSLIKPLFFTVGFTGCAFGSAAIWQ

YESLKSRVQSYFDGIKADWLDSIRPQKEGDFRKEINKWWNNLSDGQRTVTGIIAANVLVF

CLWRVPSLQRTMIRYFTSNPASKVLCSPMLLSTFSHFSLFHMAANMYVLWSFSSSIVNIL

GQEQFMAVYLSAGVISNFVSYVGKVATGRYGPSLGASGAIMTVLAAVCTKIPEGRLAIIF

LPMFTFTAGNALKAIIAMDTAGMILGWKFFDHAAHLGGALFGIWYVTYGHELIWKNREPL

VKIWHEIRTNGPKKGGGSK

>sp|O00625| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MGSSKKVTLSVLSREQSEGVGARVRRSIGRPELKNLDPFLLFDEFKGGRPGGFPDHPHRG

FETVSYLLEGGSMAHEDFCGHTGKMNPGDLQWMTAGRGILHAEMPCSEEPAHGLQLWVNL

RSSEKMVEPQYQELKSEEIPKPSKDGVTVAVISGEALGIKSKVYTRTPTLYLDFKLDPGA

KHSQPIPKGWTSFIYTISGDVYIGPDDAQQKIEPHHTAVLGEGDSVQVENKDPKRSHFVL

IAGEPLREPVIQHGPFVMNTNEEISQAILDFRNAKNGFERAKTWKSKIGN

>sp|Q16512| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Endosome](https://www.uniprot.org/locations/SL-0101), [Cleavage furrow](https://www.uniprot.org/locations/SL-0467), [Midbody](https://www.uniprot.org/locations/SL-0469)

MASDAVQSEPRSWSLLEQLGLAGADLAAPGVQQQLELERERLRREIRKELKLKEGAENLR

RATTDLGRSLGPVELLLRGSSRRLDLLHQQLQELHAHVVLPDPAATHDGPQSPGAGGPTC

SATNLSRVAGLEKQLAIELKVKQGAENMIQTYSNGSTKDRKLLLTAQQMLQDSKTKIDII

RMQLRRALQAGQLENQAAPDDTQGSPDLGAVELRIEELRHHFRVEHAVAEGAKNVLRLLS

AAKAPDRKAVSEAQEKLTESNQKLGLLREALERRLGELPADHPKGRLLREELAAASSAAF

STRLAGPFPATHYSTLCKPAPLTGTLEVRVVGCRDLPETIPWNPTPSMGGPGTPDSRPPF

LSRPARGLYSRSGSLSGRSSLKAEAENTSEVSTVLKLDNTVVGQTSWKPCGPNAWDQSFT

LELERARELELAVFWRDQRGLCALKFLKLEDFLDNERHEVQLDMEPQGCLVAEVTFRNPV

IERIPRLRRQKKIFSKQQGKAFQRARQMNIDVATWVRLLRRLIPNATGTGTFSPGASPGS

EARTTGDISVEKLNLGTDSDSSPQKSSRDPPSSPSSLSSPIQESTAPELPSETQETPGPA

LCSPLRKSPLTLEDFKFLAVLGRGHFGKVLLSEFRPSGELFAIKALKKGDIVARDEVESL

MCEKRILAAVTSAGHPFLVNLFGCFQTPEHVCFVMEYSAGGDLMLHIHSDVFSEPRAIFY

SACVVLGLQFLHEHKIVYRDLKLDNLLLDTEGYVKIADFGLCKEGMGYGDRTSTFCGTPE

FLAPEVLTDTSYTRAVDWWGLGVLLYEMLVGESPFPGDDEEEVFDSIVNDEVRYPRFLSA

EAIGIMRRLLRRNPERRLGSSERDAEDVKKQPFFRTLGWEALLARRLPPPFVPTLSGRTD

VSNFDEEFTGEAPTLSPPRDARPLTAAEQAAFLDFDFVAGGC

>sp|P9WIF5| [cell wall](https://www.uniprot.org/locations/SL-0041), [Cell surface](https://www.uniprot.org/locations/SL-0310), [Cell outer membrane](https://www.uniprot.org/locations/SL-0040)

MSFVVTIPEALAAVATDLAGIGSTIGTANAAAAVPTTTVLAAAADEVSAAMAALFSGHAQ

AYQALSAQAALFHEQFVRALTAGAGSYAAAEAASAAPLEGVLDVINAPALALLGRPLIGN

GANGAPGTGANGGDGGILIGNGGAGGSGAAGMPGGNGGAAGLFGNGGAGGAGGNVASGTA

GFGGAGGAGGLLYGAGGAGGAGGRAGGGVGGIGGAGGAGGNGGLLFGAGGAGGVGGLAAD

AGDGGAGGDGGLFFGVGGAGGAGGTGTNVTGGAGGAGGNGGLLFGAGGVGGVGGDGVAFL

GTAPGGPGGAGGAGGLFGVGGAGGAGGIGLVGNGGAGGSGGSALLWGDGGAGGAGGVGST

TGGAGGAGGNAGLLVGAGGAGGAGALGGGATGVGGAGGNGGTAGLLFGAGGAGGFGFGGA

GGAGGLGGKAGLIGDGGDGGAGGNGTGAKGGDGGAGGGAILVGNGGNGGNAGSGTPNGSA

GTGGAGGLLGKNGMNGLP

>sp|Q53GL0| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MMKKNNSAKRGPQDGNQQPAPPEKVGWVRKFCGKGIFREIWKNRYVVLKGDQLYISEKEV

KDEKNIQEVFDLSDYEKCEELRKSKSRSKKNHSKFTLAHSKQPGNTAPNLIFLAVSPEEK

ESWINALNSAITRAKNRILDEVTVEEDSYLAHPTRDRAKIQHSRRPPTRGHLMAVASTST

SDGMLTLDLIQEEDPSPEEPTSCAESFRVDLDKSVAQLAGSRRRADSDRIQPSADRASSL

SRPWEKTDKGATYTPQAPKKLTPTEKGRCASLEEILSQRDAASARTLQLRAEEPPTPALP

NPGQLSRIQDLVARKLEETQELLAEVQGLGDGKRKAKDPPRSPPDSESEQLLLETERLLG

EASSNWSQAKRVLQEVRELRDLYRQMDLQTPDSHLRQTTPHSQYRKSLM

>sp|P53350|[Nucleus](https://www.uniprot.org/locations/SL-0191)； [kinetochore](https://www.uniprot.org/locations/SL-0149)；[centrosome](https://www.uniprot.org/locations/SL-0048)；[spindle](https://www.uniprot.org/locations/SL-0251)；[Midbody](https://www.uniprot.org/locations/SL-0469)

MSAAVTAGKLARAPADPGKAGVPGVAAPGAPAAAPPAKEIPEVLVDPRSRRRYVRGRFLG

KGGFAKCFEISDADTKEVFAGKIVPKSLLLKPHQREKMSMEISIHRSLAHQHVVGFHGFF

EDNDFVFVVLELCRRRSLLELHKRRKALTEPEARYYLRQIVLGCQYLHRNRVIHRDLKLG

NLFLNEDLEVKIGDFGLATKVEYDGERKKTLCGTPNYIAPEVLSKKGHSFEVDVWSIGCI

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NDEFFTSGYIPARLPITCLTIPPRFSIAPSSLDPSNRKPLTVLNKGLENPLPERPREKEE

PVVRETGEVVDCHLSDMLQQLHSVNASKPSERGLVRQEEAEDPACIPIFWVSKWVDYSDK

YGLGYQLCDNSVGVLFNDSTRLILYNDGDSLQYIERDGTESYLTVSSHPNSLMKKITLLK

YFRNYMSEHLLKAGANITPREGDELARLPYLRTWFRTRSAIILHLSNGSVQINFFQDHTK

LILCPLMAAVTYIDEKRDFRTYRLSLLEEYGCCKELASRLRYARTMVDKLLSSRSASNRL

KAS

>sp|P16284| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905), [Membrane raft](https://www.uniprot.org/locations/SL-0370), [Cell junction](https://www.uniprot.org/locations/SL-0038)

MQPRWAQGATMWLGVLLTLLLCSSLEGQENSFTINSVDMKSLPDWTVQNGKNLTLQCFAD

VSTTSHVKPQHQMLFYKDDVLFYNISSMKSTESYFIPEVRIYDSGTYKCTVIVNNKEKTT

AEYQVLVEGVPSPRVTLDKKEAIQGGIVRVNCSVPEEKAPIHFTIEKLELNEKMVKLKRE

KNSRDQNFVILEFPVEEQDRVLSFRCQARIISGIHMQTSESTKSELVTVTESFSTPKFHI

SPTGMIMEGAQLHIKCTIQVTHLAQEFPEIIIQKDKAIVAHNRHGNKAVYSVMAMVEHSG

NYTCKVESSRISKVSSIVVNITELFSKPELESSFTHLDQGERLNLSCSIPGAPPANFTIQ

KEDTIVSQTQDFTKIASKSDSGTYICTAGIDKVVKKSNTVQIVVCEMLSQPRISYDAQFE

VIKGQTIEVRCESISGTLPISYQLLKTSKVLENSTKNSNDPAVFKDNPTEDVEYQCVADN

CHSHAKMLSEVLRVKVIAPVDEVQISILSSKVVESGEDIVLQCAVNEGSGPITYKFYREK

EGKPFYQMTSNATQAFWTKQKASKEQEGEYYCTAFNRANHASSVPRSKILTVRVILAPWK

KGLIAVVIIGVIIALLIIAAKCYFLRKAKAKQMPVEMSRPAVPLLNSNNEKMSDPNMEAN

SHYGHNDDVRNHAMKPINDNKEPLNSDVQYTEVQVSSAESHKDLGKKDTETVYSEVRKAV

PDAVESRYSRTEGSLDGT

>sp|Q96CC6| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134)，

MSEARRDSTSSLQRKKPPWLKLDIPSAVPLTAEEPSFLQPLRRQAFLRSVSMPAETAHIS

SPHHELRRPVLQRQTSITQTIRRGTADWFGVSKDSDSTQKWQRKSIRHCSQRYGKLKPQV

LRELDLPSQDNVSLTSTETPPPLYVGPCQLGMQKIIDPLARGRAFRVADDTAEGLSAPHT

PVTPGAASLCSFSSSRSGFHRLPRRRKRESVAKMSFRAAAALMKGRSVRDGTFRRAQRRS

FTPASFLEEDTTDFPDELDTSFFAREGILHEELSTYPDEVFESPSEAALKDWEKAPEQAD

LTGGALDRSELERSHLMLPLERGWRKQKEGAAAPQPKVRLRQEVVSTAGPRRGQRIAVPV

RKLFAREKRPYGLGMVGRLTNRTYRKRIDSFVKRQIEDMDDHRPFFTYWLTFVHSLVTIL

AVCIYGIAPVGFSQHETVDSVLRNRGVYENVKYVQQENFWIGPSSEALIHLGAKFSPCMR

QDPQVHSFIRSAREREKHSACCVRNDRSGCVQTSEEECSSTLAVWVKWPIHPSAPELAGH

KRQFGSVCHQDPRVCDEPSSEDPHEWPEDITKWPICTKNSAGNHTNHPHMDCVITGRPCC

IGTKGRCEITSREYCDFMRGYFHEEATLCSQVHCMDDVCGLLPFLNPEVPDQFYRLWLSL

FLHAGILHCLVSICFQMTVLRDLEKLAGWHRIAIIYLLSGVTGNLASAIFLPYRAEVGPA

GSQFGILACLFVELFQSWQILARPWRAFFKLLAVVLFLFTFGLLPWIDNFAHISGFISGL

FLSFAFLPYISFGKFDLYRKRCQIIIFQVVFLGLLAGLVVLFYVYPVRCEWCEFLTCIPF

TDKFCEKYELDAQLH

>sp|P15927| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[PML body](https://www.uniprot.org/locations/SL-0465)

MWNSGFESYGSSSYGGAGGYTQSPGGFGSPAPSQAEKKSRARAQHIVPCTISQLLSATLV

DEVFRIGNVEISQVTIVGIIRHAEKAPTNIVYKIDDMTAAPMDVRQWVDTDDTSSENTVV

PPETYVKVAGHLRSFQNKKSLVAFKIMPLEDMNEFTTHILEVINAHMVLSKANSQPSAGR

APISNPGMSEAGNFGGNSFMPANGLTVAQNQVLNLIKACPRPEGLNFQDLKNQLKHMSVS

SIKQAVDFLSNEGHIYSTVDDDHFKSTDAE

>sp|O75677| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MKRLSLVTTNRLSPHGNFLPLCTFPLAVDMAALFQEASSCPVCSDYLEKPMSLECGCAVC

FKCINSLQKEPHGEDLLCCCCSMVSQKNKIRPSWQLERLASHIKELEPKLKKILQMNPRM

RKFQVDMTLDADTANNFLLISDDLRSVRSGCITQNRQDLAERFDVSICILGSPRFTCGRH

YWEVDVGTSTEWDLGVCRESVHRKGRIHLTTERGFWTVSLRDGSRLSASTVPLTFLFVDR

KLQRVGIFLDMGMQNVSFFDAEGGSHVYTFRSVSAEEPLHLFFAPPSPPNGDKSVLSICP

VINPGTTDAPVHPGEAK

>sp|O76021| [nucleolus](https://www.uniprot.org/locations/SL-0188)

MEDSASASLSSAAATGTSTSTPAAPTARKQLDKEQVRKAVDALLTHCKSRKNNYGLLLNE

NESLFLMVVLWKIPSKELRVRLTLPHSIRSDSEDICLFTKDEPNSTPEKTEQFYRKLLNK

HGIKTVSQIISLQTLKKEYKSYEAKLRLLSSFDFFLTDARIRRLLPSLIGRHFYQRKKVP

VSVNLLSKNLSREINDCIGGTVLNISKSGSCSAIRIGHVGMQIEHIIENIVAVTKGLSEK

LPEKWESVKLLFVKTEKSAALPIFSSFVSNWDEATKRSLLNKKKKEARRKRRERNFEKQK

ERKKKRQQARKTASVLSKDDVAPESGDTTVKKPESKKEQTPEHGKKKRGRGKAQVKATNE

SEDEIPQLVPIGKKTPANEKVEIQKHATGKKSPAKSPNPSTPRGKKRKALPASETPKAAE

SETPGKSPEKKPKIKEEAVKEKSPSLGKKDARQTPKKPEAKFFTTPSKSVRKASHTPKKW

PKKPKVPQST

>sp|Q9UBV8| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Membrane](https://www.uniprot.org/locations/SL-0162)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[COPII-coated vesicle membrane](https://www.uniprot.org/locations/SL-0078)，

MASYPYRQGCPGAAGQAPGAPPGSYYPGPPNSGGQYGSGLPPGGGYGGPAPGGPYGPPAG

GGPYGHPNPGMFPSGTPGGPYGGAAPGGPYGQPPPSSYGAQQPGLYGQGGAPPNVDPEAY

SWFQSVDSDHSGYISMKELKQALVNCNWSSFNDETCLMMINMFDKTKSGRIDVYGFSALW

KFIQQWKNLFQQYDRDRSGSISYTELQQALSQMGYNLSPQFTQLLVSRYCPRSANPAMQL

DRFIQVCTQLQVLTEAFREKDTAVQGNIRLSFEDFVTMTASRML

>sp|Q9JJP2| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MAQTSSSSSSTFEHLWSSLEPDSTYFDLPQPSQGTSEASGSEESNMDVFHLQGMAQFNLL

SSAMDQMGSRAAPASPYTPEHAASAPTHSPYAQPSSTFDTMSPAPVIPSNTDYPGPHHFE

VTFQQSSTAKSATWTYSPLLKKLYCQIAKTCPIQIKVSTPPPPGTAIRAMPVYKKAEHVT

DIVKRCPNHELGRDFNEGQSAPASHLIRVEGNNLAQYVDDPVTGRQSVVVPYEPPQVGTE

FTTILYNFMCNSSCVGGMNRRPILVIITLETRDGQVLGRRSFEGRICACPGRDRKADEDH

YREQQALNESTTKNGAASKRAFKQSPPAIPALGTNVKKRRHGDEDMFYMHVRGRENFEIL

MKVKESLELMELVPQPLVDSYRQQQQQQLLQRPSHLQPPSYGPVLSPMNKVHGGVNKLPS

VNQLVGQPPPHSSAAGPNLGPMGSGMLNSHGHSMPANGEMNGGHSSQTMVSGSHCTPPPP

YHADPSLVSFLTGLGCPNCIECFTSQGLQSIYHLQNLTIEDLGALKVPDQYRMTIWRGLQ

DLKQSHDCGQQLLRSSSNAATISIGGSGELQRQRVMEAVHFRVRHTITIPNRGGAGAVTG

PDEWADFGFDLPDCKSRKQPIKEEFTETESH

>sp|Q61823| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDIENEQTLNVNPTDPDNLSDSLFSGDEENAGTEEIKNEINGNWISASTINEARINAKAK

RRLRKNSSRDSGRGDSVSDNGSEAVRSGVAVPTSPKGRLLDRRSRSGKGRGLPKKGGAGG

KGVWGTPGQVYDVEEVDVKDPNYDDDQENCVYETVVLPLDETAFEKTLTPIIQEYFEHGD

TNEVAEMLRDLNLGEMKSGVPVLAVSLALEGKASHREMTSKLLSDLCGTVMSTNDVEKSF

DKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYIDSYKGTVDCVQARAALDKATV

LLSMSKGGKRKDSVWGSGGGQQPVNHLVKEIDMLLKEYLLSGDISEAEHCLKELEVPHFH

HELVYEAIVMVLESTGESAFKMILDLLKSLWKSSTITIDQMKRGYERIYNEIPDINLDVP

HSYSVLERFVEECFQAGIISKQLRDLCPSRGRKRFVSEGDGGRLKPESY

>sp|Q99LX0| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Lipid-ancho](https://www.uniprot.org/locations/SL-9901)，[Membrane raft](https://www.uniprot.org/locations/SL-0370)，

MASKRALVILAKGAEEMETVIPVDVMRRAGIKVTVAGLAGKDPVQCSRDVMICPDTSLED

AKTQGPYDVVVLPGGNLGAQNLSESPMVKEILKEQESRKGLIAAICAGPTALLAHEVGFG

CKVTTHPLAKDKMMNGSHYSYSESRVEKDGLILTSRGPGTSFEFALAIVEALVGKDMANQ

VKAPLVLKD

>sp|Q8WUM4| [Melanosome](https://www.uniprot.org/locations/SL-0161), [centrosome](https://www.uniprot.org/locations/SL-0048), [exosome](https://www.uniprot.org/locations/SL-0466), [exosome](https://www.uniprot.org/locations/SL-0466)

MATFISVQLKKTSEVDLAKPLVKFIQQTYPSGGEEQAQYCRAAEELSKLRRAAVGRPLDK

HEGALETLLRYYDQICSIEPKFPFSENQICLTFTWKDAFDKGSLFGGSVKLALASLGYEK

SCVLFNCAALASQIAAEQNLDNDEGLKIAAKHYQFASGAFLHIKETVLSALSREPTVDIS

PDTVGTLSLIMLAQAQEVFFLKATRDKMKDAIIAKLANQAADYFGDAFKQCQYKDTLPKE

VFPVLAAKHCIMQANAEYHQSILAKQQKKFGEEIARLQHAAELIKTVASRYDEYVNVKDF

SDKINRALAAAKKDNDFIYHDRVPDLKDLDPIGKATLVKSTPVNVPISQKFTDLFEKMVP

VSVQQSLAAYNQRKADLVNRSIAQMREATTLANGVLASLNLPAAIEDVSGDTVPQSILTK

SRSVIEQGGIQTVDQLIKELPELLQRNREILDESLRLLDEEEATDNDLRAKFKERWQRTP

SNELYKPLRAEGTNFRTVLDKAVQADGQVKECYQSHRDTIVLLCKPEPELNAAIPSANPA

KTMQGSEVVNVLKSLLSNLDEVKKEREGLENDLKSVNFDMTSKFLTALAQDGVINEEALS

VTELDRVYGGLTTKVQESLKKQEGLLKNIQVSHQEFSKMKQSNNEANLREEVLKNLATAY

DNFVELVANLKEGTKFYNELTEILVRFQNKCSDIVFARKTERDELLKDLQQSIAREPSAP

SIPTPAYQSSPAGGHAPTPPTPAPRTMPPTKPQPPARPPPPVLPANRAPSATAPSPVGAG

TAAPAPSQTPGSAPPPQAQGPPYPTYPGYPGYCQMPMPMGYNPYAYGQYNMPYPPVYHQS

PGQAPYPGPQQPSYPFPQPPQQSYYPQQ

>sp|P11234| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Lipid-anchor](https://www.uniprot.org/locations/SL-9901), [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [Midbody](https://www.uniprot.org/locations/SL-0469)

MAANKSKGQSSLALHKVIMVGSGGVGKSALTLQFMYDEFVEDYEPTKADSYRKKVVLDGE

EVQIDILDTAGQEDYAAIRDNYFRSGEGFLLVFSITEHESFTATAEFREQILRVKAEEDK

IPLLVVGNKSDLEERRQVPVEEARSKAEEWGVQYVETSAKTRANVDKVFFDLMREIRTKK

MSENKDKNGKKSSKNKKSFKERCCLL

>sp|P68040|RACK1\_MOUSE Receptor of activated protein C kinase 1 OS=Mus musculus OX=10090 GN=Rack1 PE=1 SV=3

MTEQMTLRGTLKGHNGWVTQIATTPQFPDMILSASRDKTIIMWKLTRDETNYGIPQRALR

GHSHFVSDVVISSDGQFALSGSWDGTLRLWDLTTGTTTRRFVGHTKDVLSVAFSSDNRQI

VSGSRDKTIKLWNTLGVCKYTVQDESHSEWVSCVRFSPNSSNPIIVSCGWDKLVKVWNLA

NCKLKTNHIGHTGYLNTVTVSPDGSLCASGGKDGQAMLWDLNEGKHLYTLDGGDIINALC

FSPNRYWLCAATGPSIKIWDLEGKIIVDELKQEVISTSSKAEPPQCTSLAWSADGQTLFA

GYTDNLVRVWQVTIGTR

>sp|P63244| Cell membrane, [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [perinuclear region](https://www.uniprot.org/locations/SL-0198), [Nucleus](https://www.uniprot.org/locations/SL-0191), [phagocytic cup](https://www.uniprot.org/locations/SL-0473)

MTEQMTLRGTLKGHNGWVTQIATTPQFPDMILSASRDKTIIMWKLTRDETNYGIPQRALR

GHSHFVSDVVISSDGQFALSGSWDGTLRLWDLTTGTTTRRFVGHTKDVLSVAFSSDNRQI

VSGSRDKTIKLWNTLGVCKYTVQDESHSEWVSCVRFSPNSSNPIIVSCGWDKLVKVWNLA

NCKLKTNHIGHTGYLNTVTVSPDGSLCASGGKDGQAMLWDLNEGKHLYTLDGGDIINALC

FSPNRYWLCAATGPSIKIWDLEGKIIVDELKQEVISTSSKAEPPQCTSLAWSADGQTLFA

GYTDNLVRVWQVTIGTR

>sp|Q8TEZ7| [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MTTAILERLSTLSVSGQQLRRLPKILEDGLPKMPCTVPETDVPQLFREPYIRTGYRPTGH

EWRYYFFSLFQKHNEVVNVWTHLLAALAVLLRFWAFAEAEALPWASTHSLPLLLFILSSI

TYLTCSLLAHLLQSKSELSHYTFYFVDYVGVSVYQYGSALAHFFYSSDQAWYDRFWLFFL

PAAAFCGWLSCAGCCYAKYRYRRPYPVMRKICQVVPAGLAFILDISPVAHRVALCHLAGC

QEQAAWYHTLQILFFLVSAYFFSCPVPEKYFPGSCDIVGHGHQIFHAFLSICTLSQLEAI

LLDYQGRQEIFLQRHGPLSVHMACLSFFFLAACSAATAALLRHKVKARLTKKDS

>sp|Q80WD1| [Cell membrane](https://www.uniprot.org/locations/SL-0039),  [GPI-anchor](https://www.uniprot.org/locations/SL-9902), [Perikaryon](https://www.uniprot.org/locations/SL-0197), [axon](https://www.uniprot.org/locations/SL-0279), [Membrane raft](https://www.uniprot.org/locations/SL-0370)

MLPGLRRLLQGPASACLLLTLLALPPVTPSCPMLCTCYSSPPTVSCQANNFSSVPLSLPP

STQRLFLQNNLIRSLRPGTFGPNLLTLWLFSNNLSTIYPGTFRHLQALEELDLGDNRHLR

SLEPDTFQGLERLQSLHLYRCQLSSLPGNIFRGLVSLQYLYLQENSLLHLQDDLFADLAN

LSHLFLHGNRLRLLTEHVFRGLGSLDRLLLHGNRLQGVHRAAFHGLSRLTILYLFNNSLA

SLPGEALADLPALEFLRLNANPWACDCRARPLWAWFQRARVSSSDVTCATPPERQGRDLR

TLRDTDFQACPPPTPTRPGSRARGNSSSNHLYGVAEAGAPPADPSTLYRDLPAEDSRGRQ

GGDAPTEDDYWGGYGGEDQRGEQTCPGAACQAPADSRGPVLSAGLRTPLLCLLLLAPHHL

>sp|Q8TDY2| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Lysosome](https://www.uniprot.org/locations/SL-0158)

MKLYVFLVNTGTTLTFDTELTVQTVADLKHAIQSKYKIAIQHQVLVVNGGECMAADRRVC

TYSAGTDTNPIFLFNKEMILCDRPPAIPKTTFSTENDMEIKVEESLMMPAVFHTVASRTQ

LALEMYEVAKKLCSFCEGLVHDEHLQHQGWAAIMANLEDCSNSYQKLLFKFESIYSNYLQ

SIEDIKLKLTHLGTAVSVMAKIPLLECLTRHSYRECLGRLDSLPEHEDSEKAEMKRSTEL

VLSPDMPRTTNESLLTSFPKSVEHVSPDTADAESGKEIRESCQSTVHQQDETTIDTKDGD

LPFFNVSLLDWINVQDRPNDVESLVRKCFDSMSRLDPRIIRPFIAECRQTIAKLDNQNMK

AIKGLEDRLYALDQMIASCGRLVNEQKELAQGFLANQKRAENLKDASVLPDLCLSHANQL

MIMLQNHRKLLDIKQKCTTAKQELANNLHVRLKWCCFVMLHADQDGEKLQALLRLVIELL

ERVKIVEALSTVPQMYCLAVVEVVRRKMFIKHYREWAGALVKDGKRLYEAEKSKRESFGK

LFRKSFLRNRLFRGLDSWPPSFCTQKPRKFDCELPDISLKDLQFLQSFCPSEVQPFLRVP

LLCDFEPLHQHVLALHNLVKAAQSLDEMSQTITDLLSEQKASVSQTSPQSASSPRMESTA

GITTTTSPRTPPPLTVQDPLCPAVCPLEELSPDSIDAHTFDFETIPHPNIEQTIHQVSLD

LDSLAESPESDFMSAVNEFVIEENLSSPNPISDPQSPEMMVESLYSSVINAIDSRRMQDT

NVCGKEDFGDHTSLNVQLERCRVVAQDSHFSIQTIKEDLCHFRTFVQKEQCDFSNSLKCT

AVEIRNIIEKVKCSLEITLKEKHQKELLSLKNEYEGKLDGLIKETEENENKIKKLKGELV

CLEEVLQNKDNEFALVKHEKEAVICLQNEKDQKLLEMENIMHSQNCEIKELKQSREIVLE

DLKKLHVENDEKLQLLRAELQSLEQSHLKELEDTLQVRHIQEFEKVMTDHRVSLEELKKE

NQQIINQIQESHAEIIQEKEKQLQELKLKVSDLSDTRCKLEVELALKEAETDEIKILLEE

SRAQQKETLKSLLEQETENLRTEISKLNQKIQDNNENYQVGLAELRTLMTIEKDQCISEL

ISRHEEESNILKAELNKVTSLHNQAFEIEKNLKEQIIELQSKLDSELSALERQKDEKITQ

QEEKYEAIIQNLEKDRQKLVSSQEQDREQLIQKLNCEKDEAIQTALKEFKLEREVVEKEL

LEKVKHLENQIAKSPAIDSTRGDSSSLVAELQEKLQEEKAKFLEQLEEQEKRKNEEMQNV

RTSLIAEQQTNFNTVLTREKMRKENIINDLSDKLKSTMQQQERDKDLIESLSEDRARLLE

EKKKLEEEVSKLRSSSFVPSPYVATAPELYGACAPELPGESDRSAVETADEGRVDSAMET

SMMSVQENIHMLSEEKQRIMLLERTLQLKEEENKRLNQRLMSQSMSSVSSRHSEKIAIRD

FQVGDLVLIILDERHDNYVLFTVSPTLYFLHSESLPALDLKPGEGASGASRRPWVLGKVM

EKEYCQAKKAQNRFKVPLGTKFYRVKAVSWNKKV

>sp|P01111| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Lipid-anchor](https://www.uniprot.org/locations/SL-9901), [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134),  [Lipid-anchor](https://www.uniprot.org/locations/SL-9901)

MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDTAG

QEEYSAMRDQYMRTGEGFLCVFAINNSKSFADINLYREQIKRVKDSDDVPMVLVGNKCDL

PTRTVDTKQAHELAKSYGIPFIETSAKTRQGVEDAFYTLVREIRQYRMKKLNSSDDGTQG

CMGLPCVVM

>sp|P11233| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Lipid-anchor](https://www.uniprot.org/locations/SL-9901), [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [Cleavage furrow](https://www.uniprot.org/locations/SL-0467), [Midbody ring](https://www.uniprot.org/locations/SL-0490)

MAANKPKGQNSLALHKVIMVGSGGVGKSALTLQFMYDEFVEDYEPTKADSYRKKVVLDGE

EVQIDILDTAGQEDYAAIRDNYFRSGEGFLCVFSITEMESFAATADFREQILRVKEDENV

PFLLVGNKSDLEDKRQVSVEEAKNRAEQWNVNYVETSAKTRANVDKVFFDLMREIRARKM

EDSKEKNGKKKRKSLAKRIRERCCIL

>sp|Q9V438| [Endoplasmic reticulum lumen](https://www.uniprot.org/locations/SL-0096), [Cell surface](https://www.uniprot.org/locations/SL-0310)

MRQLASILLLAFVVGSVSAFYSPSDGVVELTPSNFDREVLKDDAIWVVEFYAPWCGHCQS

LVPEYKKLAKALKGVVKVGSVNADADSTLSGQFGVRGFPTIKIFGANKKSPTDYNGQRTA

KAIAEAALAEVKKKVQGVLGGGGGSSSGGSGSSSGDDVIELTEDNFDKLVLNSDDIWLVE

FFAPWCGHCKNLAPEWAKAAKELKGKVKLGALDATAHQSKAAEYNVRGYPTIKFFPAGSK

RASDAQEYDGGRTASDIVSWASDKHVANVPAPELIEIINESTFETACEGKPLCVVSVLPH

ILDCDAKCRNKFLDTLRTLGEKFKQKQWGWAWAEGGQQLALEESLEVGGFGYPAMAVVNF

KKMKFSVLKGSFSKDGINEFLRDISYGRGHTAPVRGAKKPAIVSVDPWDGKDGQLPTEED

IDLSDIDLDKDEL

>sp|Q8UVX0| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MTGRARARSRGRGRGQEPAAPGAQPPVSQEAAKPVVSTPSEGQLVGRGRQKPAPGAMSEE

AMLQISAGFQQVKIGERGGRRRDFHDSGVHTRQLMEHVKESKTGVSGTAIELRANFMRLL

SRPMWALYQYHVDYKPPMESRRLRSALLFQHEETLGKAHTFDGAILFLPNKLRNAETVLC

SETRNGEKVEITVTLTNELPPSSPVCLQFYNILFRRILRILNMQQIGRHYYNPDDPFNIP

QHRLTIWPGFMTTILQYESSIMLCSDVSHKVLRSETVLDFMYSLRQQCGDQRFPEACTKE

LVGLIILTKYNNKTYRIDDIAWDHTPNNTFKKGDTEISFKNYFKSQYGLDITDGNQVLLV

SHVKRLGPSGRPPPGPAMLVPEFCYLTGLTDKMRADFNIMKDLASHTRLSPEQREGRINR

LISNINRNGDVQNELTTWGLSFENKLLSLNGRVLPSERIIQGGRAFEYNPWTADWSKEMR

GLPLISCMSLDNWLMFYTRRNADVAQSLLQTLNKVSGPMGIRMQRAVMIEYEDRQESLLR

ALQQNVARETQMVVVILPTNRKDKYDCVKKYLCVDCPTPSQCVVSRTISKPQALMTVATK

IALQMNCKMGGELWSVEIPLRQLMIVGIDCYHDTAAGKRSIGAMVASLNQGMSRWFSKCV

LQNRGQEIIDALKGSLQGALKAYLKYNNSLPSRIIVYRDGVGDGMLQSVVDYEVPQIMQS

IKTMGQDYEPKLSVVVVKKRISSRFFARIDGKIANPPPGTVIDTEVTRPEWYDFFIVSQA

VRFGCVAPTHYNVVFDNSGLKPDHMQRLTYKLCHMYYNWQGIVRVPAPCQYAHKLAFLVG

QSIHKEPNMNLDDFLYYL

>sp|Q03206| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Lipid-anchor](https://www.uniprot.org/locations/SL-9901)， [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MQAIKCVVVGDGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDGRPINLGLWDTAG

QEDYDRLRPLSYPQTDVFLVCFALNNPASFENVRAKWYPEVSHHCPNTPIILVGTKADLR

EDRDTVERLRERRLQPVSQTQGYVMAKEIKAVKYLECSALTQRGLKQVFDEAIRAVLTPP

QRAKKSKCTVL

>sp|Q9WU78| [exosome](https://www.uniprot.org/locations/SL-0466),, [tight junction](https://www.uniprot.org/locations/SL-0265)

MASFIWVQLKKTSEVDLAKPLVKFIQQTYPSGGEEQAQYCRAAEELSKLRRSALGRPLDK

HEGALETLLRYYDQICSIEPKFPFSENQICLTFTWKDAFDKGSLFGGSVKLALASLGYEK

SCVLFNCAALASQIAAEQNLDNDEGLKTAAKQYQFASGAFLHIKDTVLSALSREPTVDIS

PDTVGTLSLIMLAQAQEVFFLKATRDKMKDAIIAKLANQAADYFGDAFKQCQYKDTLPKE

VFPTLAAKQCIMQANAEYHQSILAKQQKKFGEEIARLQHAAELIKNVASRYDEYVNVKDF

SDKINRALTAAKKDNDFIYHDRVPDLKDLDPIGKATLVKPTPVNVPVSQKFTDLFEKMVP

VSVQQSLAVFSQRKADLVNRSIAQMREATTLANGVLASLNLPAAIEDVSGDTVPQSILTK

STSVVEQGGIQTVDQLIKELPELLQRNREILEESLRLLDEEEATDNDLRAKFKDRWQRTP

SNDLYKPLRAEGAKFRAVLDKAVQADGQVKERYQSHRDTIALLCKPEPELNAAIPSANPA

KTMQGSEVVSVLKSLLSNLDEIKKERESLENDLKSVNFDMTSKFLTALAQDGVINEEALS

VTELDRIYGGLTSKVQESLKKQEGLLKNIQVSHQEFSKMKQSNNEANLREEVLKNLATAY

DNFVELVANLKEGTKFYNELTEILVRFQNKCSDIVFARKTERDELLKDLQQSIAREPSAP

SIPPPAYQSSPAAGHAAAPPTPAPRTMPPAKPQPPARPPPPVLPANRVPPASAAAAPAGV

GTASAAPPQTPGSAPPPQAQGPPYPTYPGYPGYCQMPMPMGYNPYAYGQYNMPYPPVYHQ

SPGQAPYPGPQQPTYPFPQPPQQSYYPQQ

>sp|Q12181| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Mitochondrion](https://www.uniprot.org/locations/SL-0173)，

MSSSKKIVILYGSETGNAHDFATILSHRLHRWHFSHTFCSIGDYDPQDILKCRYLFIICS

TTGQGELPRNVNALKGERPVTFWSFLKRKNLPSNLLNHIQTAMLGLGDSSYPKFNYGIRK

LHQRIVTQLGANELFDRLEADDQAMAGSNKGTGLGIESVYFEYEKKVLSFLLSKYPNRKV

NGQIIKREELDPEVYLEPASYLQLSDEHANEKFTSTKVIFEGDESLKVGRVNINKRITSE

GHFQDVRQFKFSNVDKIQENYEPGDTVTIYPCNTDEDVSRFLANQSHWLEIADKPLNFTS

GVPNDLKDGGLVRPMTLRNLLKYHCDFMSIPRTSFFLKIWTFATDVTKMERGQEQLNDQR

EKLRQFATDQDMQDLYDYCNRPRRSILEVLEDFISVKLPWKYVLDYLPIIKPRYYSISSG

PGDPNIELTVAIVKYKTILRKIRRGICTNYIARLQEGEQIRYKLQNNHIIKKEFLNKPMI

LVGPGVGLAPLLSVVKAEISKDIKLLFGCRYKDKDYIYKDMLEDWFRKGKIALHSSFSRD

EENSPGVKYVQDYLWRLGEEITNLVVNKDAVFFLCGSSGKMPIQVRLTFIEMLKKWGNFS

DEETAKKYLKEMEKSDRYIQETW

>sp|I0J062| [nucleolus](https://www.uniprot.org/locations/SL-0188)

MGVRLRVWPAAPHSISRCPRPLGAVLSILLAGGSRKGTPTARCLGQRTKEKRVGGRSLRS

EAGSGPCPTAGAQPTAPSSAWPPRLRPRTCPQMSGELPRVRPTRVGLSSLGSGPGHPPSG

TRMCGERARNRRGRARRLTPEQPRIGASAGPGPPLPPARPRCSGSCHLPRPPQHLSPPQP

GRVRMGAAEGSRRADTHHARRRRRARLPAPRSAST

>sp|Q53EL6| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDVENEQILNVNPADPDNLSDSLFSGDEENAGTEEIKNEINGNWISASSINEARINAKAK

RRLRKNSSRDSGRGDSVSDSGSDALRSGLTVPTSPKGRLLDRRSRSGKGRGLPKKGGAGG

KGVWGTPGQVYDVEEVDVKDPNYDDDQENCVYETVVLPLDERAFEKTLTPIIQEYFEHGD

TNEVAEMLRDLNLGEMKSGVPVLAVSLALEGKASHREMTSKLLSDLCGTVMSTTDVEKSF

DKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYIDSYKGTVDCVQARAALDKATV

LLSMSKGGKRKDSVWGSGGGQQSVNHLVKEIDMLLKEYLLSGDISEAEHCLKELEVPHFH

HELVYEAIIMVLESTGESTFKMILDLLKSLWKSSTITVDQMKRGYERIYNEIPDINLDVP

HSYSVLERFVEECFQAGIISKQLRDLCPSRGRKRFVSEGDGGRLKPESY

>sp|P49185| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，

MSRSKRDNNFYSVEIADSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILERNVAIKKLSRP

FQNQTHAKRAYRELVLMKCVNHKNIIGLLNVFTPQKSLEEFQDVYIVMELMDANLCQVIQ

MELDHERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTAGTSF

MMTPYVVTRYYRAPEVILGMGYKENVDLWSVGCIMGEMVCLKILFPGRDYIDQWNKVIEQ

LGTPCPEFMKKLQPTVRTYVENRPKYAGYSFEKLFPDVLFPADSEHNKLKASQARDLLSK

MLVIDASKRISVDEALQHPYINVWYDPSEAEAPPPKIPDKQLDEREHTIEEWKELIYKEV

MDLEERTKNGVIRGQPSPLGAAVINGSQHPVSSPSVNDMSSMSTDPTLASD

>sp|Q9WTU6| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MSDSKSDGQFYSVQVADSTFTVLKRYQQLKPIGSGAQGIVCAAFDTVLGINVAVKKLSRP

FQNQTHAKRAYRELVLLKCVNHKNIISLLNVFTPQKTLEEFQDVYLVMELMDANLCQVIH

MELDHERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTACTNF

MMTPYVVTRYYRAPEVILGMGYKENVDIWSVGCIMAEMVLHKVLFPGRDYIDQWNKVIEQ

LGTPSAEFMKKLQPTVRNYVENRPKYPGIKFEELFPDWIFPSESERDKIKTSQARDLLSK

MLVIDPDKRISVDEALRHPYITVWYDPAEAEAPPPQIYDAQLEEREHAIEEWKELIYKEV

MDWEERSKNGVKDQPSDAAVSSKATPSQSSSINDISSMSTEHTLASDTDSSLDASTGPLE

GCR

>sp|P63319| [perinuclear region](https://www.uniprot.org/locations/SL-0198)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[synaptosome](https://www.uniprot.org/locations/SL-0261)，[dendrite](https://www.uniprot.org/locations/SL-0283)

MAGLGPGGGDSEGGPRPLFCRKGALRQKVVHEVKSHKFTARFFKQPTFCSHCTDFIWGIG

KQGLQCQVCSFVVHRRCHEFVTFECPGAGKGPQTDDPRNKHKFRLHSYSSPTFCDHCGSL

LYGLVHQGMKCSCCEMNVHRRCVRSVPSLCGVDHTERRGRLQLEIRAPTSDEIHITVGEA

RNLIPMDPNGLSDPYVKLKLIPDPRNLTKQKTKTVKATLNPVWNETFVFNLKPGDVERRL

SVEVWDWDRTSRNDFMGAMSFGVSELLKAPVDGWYKLLNQEEGEYYNVPVADADNCSLLQ

KFEACNYPLELYERVRMGPSSSPIPSPSPSPTDSKRCFFGASPGRLHISDFSFLMVLGKG

SFGKVMLAERRGSDELYAIKILKKDVIVQDDDVDCTLVEKRVLALGGRGPGGRPHFLTQL

HSTFQTPDRLYFVMEYVTGGDLMYHIQQLGKFKEPHAAFYAAEIAIGLFFLHNQGIIYRD

LKLDNVMLDAEGHIKITDFGMCKENVFPGSTTRTFCGTPDYIAPEIIAYQPYGKSVDWWS

FGVLLYEMLAGQPPFDGEDEEELFQAIMEQTVTYPKSLSREAVAICKGFLTKHPGKRLGS

GPDGEPTIRAHGFFRWIDWERLERLEIAPPFRPRPCGRSGENFDKFFTRAAPALTPPDRL

VLASIDQADFQGFTYVNPDFVHPDARSPTSPVPVPVM

>sp|Q05513| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Endosome](https://www.uniprot.org/locations/SL-0101), [Cell junction](https://www.uniprot.org/locations/SL-0038), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903),

MPSRTGPKMEGSGGRVRLKAHYGGDIFITSVDAATTFEELCEEVRDMCRLHQQHPLTLKW

VDSEGDPCTVSSQMELEEAFRLARQCRDEGLIIHVFPSTPEQPGLPCPGEDKSIYRRGAR

RWRKLYRANGHLFQAKRFNRRAYCGQCSERIWGLARQGYRCINCKLLVHKRCHGLVPLTC

RKHMDSVMPSQEPPVDDKNEDADLPSEETDGIAYISSSRKHDSIKDDSEDLKPVIDGMDG

IKISQGLGLQDFDLIRVIGRGSYAKVLLVRLKKNDQIYAMKVVKKELVHDDEDIDWVQTE

KHVFEQASSNPFLVGLHSCFQTTSRLFLVIEYVNGGDLMFHMQRQRKLPEEHARFYAAEI

CIALNFLHERGIIYRDLKLDNVLLDADGHIKLTDYGMCKEGLGPGDTTSTFCGTPNYIAP

EILRGEEYGFSVDWWALGVLMFEMMAGRSPFDIITDNPDMNTEDYLFQVILEKPIRIPRF

LSVKASHVLKGFLNKDPKERLGCRPQTGFSDIKSHAFFRSIDWDLLEKKQALPPFQPQIT

DDYGLDNFDTQFTSEPVQLTPDDEDAIKRIDQSEFEGFEYINPLLLSTEESV

>sp|Q91Y86| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MSRSKRDNNFYSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILERNVAIKKLSRP

FQNQTHAKRAYRELVLMKCVNHKNIIGLLNVFTPQKSLEEFQDVYIVMELMDANLCQVIQ

MELDHERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTAGTSF

MMTPYVVTRYYRAPEVILGMGYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQ

LGTPCPEFMKKLQPTVRTYVENRPKYAGYSFEKLFPDVLFPADSEHNKLKASQARDLLSK

MLVIDASKRISVDEALQHPYINVWYDPSEAEAPPPKIPDKQLDEREHTIEEWKELIYKEV

MDLEERTKNGVIRGQPSPLAQVQQ

>sp|P05696| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MADVYPANDSTASQDVANRFARKGALRQKNVHEVKDHKFIARFFKQPTFCSHCTDFIWGF

GKQGFQCQVCCFVVHKRCHEFVTFSCPGADKGPDTDDPRSKHKFKIHTYGSPTFCDHCGS

LLYGLIHQGMKCDTCDMNVHKQCVINVPSLCGMDHTEKRGRIYLKAEVTDEKLHVTVRDA

KNLIPMDPNGLSDPYVKLKLIPDPKNESKQKTKTIRSTLNPQWNESFTFKLKPSDKDRRL

SVEIWDWDRTTRNDFMGSLSFGVSELMKMPASGWYKLLNQEEGEYYNVPIPEGDEEGNVE

LRQKFEKAKLGPAGNKVISPSEDRKQPSNNLDRVKLTDFNFLMVLGKGSFGKVMLADRKG

TEELYAIKILKKDVVIQDDDVECTMVEKRVLALLDKPPFLTQLHSCFQTVDRLYFVMEYV

NGGDLMYHIQQVGKFKEPQAVFYAAEISIGLFFLHKRGIIYRDLKLDNVMLDSEGHIKIA

DFGMCKEHMMDGVTTRTFCGTPDYIAPEIIAYQPYGKSVDWWAYGVLLYEMLAGQPPFDG

EDEDELFQSIMEHNVSYPKSLSKEAVSICKGLMTKHPAKRLGCGPEGERDVREHAFFRRI

DWEKLENREIQPPFKPKVCGKGAENFDKFFTRGQPVLTPPDQLVIANIDQSDFEGFSYVN

PQFVHPILQSAV

>sp|P09217| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Membrane](https://www.uniprot.org/locations/SL-0162)  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MPSRTDPKMDRSGGRVRLKAHYGGDILITSVDPTTTFQDLCEEVRDMCGLHQQHPLTLKW

VDSEGDPCTVSSQMELEEAFRLACQGRDEVLIIHVFPSIPEQPGMPCPGEDKSIYRRGAR

RWRKLYRANGHLFQAKRFNRRAYCGQCSERIWGLARQGYRCINCKLLVHKRCHVLVPLTC

RRHMDSVMPSQEPPVDDKNDGVDLPSEETDGIAYISSSRKHDNIKDDSEDLKPVIDGVDG

IKISQGLGLQDFDLIRVIGRGSYAKVLLVRLKKNDQIYAMKVVKKELVHDDEDIDWVQTE

KHVFEQASSNPFLVGLHSCFQTTSRLFLVIEYVNGGDLMFHMQRQRKLPEEHARFYAAEI

CIALNFLHERGIIYRDLKLDNVLLDADGHIKLTDYGMCKEGLGPGDTTSTFCGTPNYIAP

EILRGEEYGFSVDWWALGVLMFEMMAGRSPFDIITDNPDMNTEDYLFQVILEKPIRIPRF

LSVKASHVLKGFLNKDPKERLGCRPQTGFSDIKSHAFFRSIDWDLLEKKQTLPPFQPQIT

DDYGLDNFDTQFTSEPVQLTPDDEDVIKRIDQSEFEGFEYINPLLLSAEESV

>sp|P63318| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[synaptosome](https://www.uniprot.org/locations/SL-0261)，

MAGLGPGGGDSEGGPRPLFCRKGALRQKVVHEVKSHKFTARFFKQPTFCSHCTDFIWGIG

KQGLQCQVCSFVVHRRCHEFVTFECPGAGKGPQTDDPRNKHKFRLHSYSSPTFCDHCGSL

LYGLVHQGMKCSCCEMNVHRRCVRSVPSLCGVDHTERRGRLQLEIRAPTSDEIHITVGEA

RNLIPMDPNGLSDPYVKLKLIPDPRNLTKQKTKTVKATLNPVWNETFVFNLKPGDVERRL

SVEVWDWDRTSRNDFMGAMSFGVSELLKAPVDGWYKLLNQEEGEYYNVPVADADNCSLLQ

KFEACNYPLELYERVRMGPSSSPIPSPSPSPTDSKRCFFGASPGRLHISDFSFLMVLGKG

SFGKVMLAERRGSDELYAIKILKKDVIVQDDDVDCTLVEKRVLALGGRGPGGRPHFLTQL

HSTFQTPDRLYFVMEYVTGGDLMYHIQQLGKFKEPHAAFYAAEIAIGLFFLHNQGIIYRD

LKLDNVMLDAEGHIKITDFGMCKENVFPGSTTRTFCGTPDYIAPEIIAYQPYGKSVDWWS

FGVLLYEMLAGQPPFDGEDEEELFQAIMEQTVTYPKSLSREAVAICKGFLTKHPGKRLGS

GPDGEPTIRAHGFFRWIDWERLERLEIAPPFRPRPCGRSGENFDKFFTRAAPALTPPDRL

VLASIDQADFQGFTYVNPDFVHPDARSPTSPVPVPVM

>sp|Q02956| [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MPSRTDPKMDRSGGRVRLKAHYGGDILITSVDAMTTFKDLCEEVRDMCGLHQQHPLTLKW

VDSEGDPCTVSSQMELEEAFRLVCQGRDEVLIIHVFPSIPEQPGMPCPGEDKSIYRRGAR

RWRKLYRANGHLFQAKRFNRGAYCGQCSERIWGLSRQGYRCINCKLLVHKRCHVLVPLTC

RRHMDSVMPSQEPPVDDKNDGVDLPSEETDGIAYISSSRKHDNIKDDSEDLKPVIDGVDG

IKISQGLGLQDFDLIRVIGRGSYAKVLLVRLKKNDQIYAMKVVKKELVHDDEDIDWVQTE

KHVFEQASSNPFLVGLHSCFQTTSRLFLVIEYVNGGDLMFHMQRQRKLPEEHARFYAAEI

CIALNFLHERGIIYRDLKLDNVLLDADGHIKLTDYGMCKEGLGPGDTTSTFCGTPNYIAP

EILRGEEYGFSVDWWALGVLMFEMMAGRSPFDIITDNPDMNTEDYLFQVILEKPIRIPRF

LSVKASHVLKGFLNKDPKERLGCRPQTGFSDIKSHAFFRSIDWDLLEKKQTLPPFQPQIT

DDYGLDNFDTQFTSEPVQLTPDDEDVIKRIDQSEFEGFEYINPLLLSAEESV

>sp|Q9Y2M5| [perinuclear region](https://www.uniprot.org/locations/SL-0198)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[trans-Golgi network](https://www.uniprot.org/locations/SL-0266)，

MEGKPMRRCTNIRPGETGMDVTSRCTLGDPNKLPEGVPQPARMPYISDKHPRQTLEVINL

LRKHRELCDVVLVVGAKKIYAHRVILSACSPYFRAMFTGELAESRQTEVVIRDIDERAME

LLIDFAYTSQITVEEGNVQTLLPAACLLQLAEIQEACCEFLKRQLDPSNCLGIRAFADTH

SCRELLRIADKFTQHNFQEVMESEEFMLLPANQLIDIISSDELNVRSEEQVFNAVMAWVK

YSIQERRPQLPQVLQHVRLPLLSPKFLVGTVGSDPLIKSDEECRDLVDEAKNYLLLPQER

PLMQGPRTRPRKPIRCGEVLFAVGGWCSGDAISSVERYDPQTNEWRMVASMSKRRCGVGV

SVLDDLLYAVGGHDGSSYLNSVERYDPKTNQWSSDVAPTSTCRTSVGVAVLGGFLYAVGG

QDGVSCLNIVERYDPKENKWTRVASMSTRRLGVAVAVLGGFLYAVGGSDGTSPLNTVERY

NPQENRWHTIAPMGTRRKHLGCAVYQDMIYAVGGRDDTTELSSAERYNPRTNQWSPVVAM

TSRRSGVGLAVVNGQLMAVGGFDGTTYLKTIEVFDPDANTWRLYGGMNYRRLGGGVGVIK

MTHCESHIW

>sp|Q07666| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Membrane](https://www.uniprot.org/locations/SL-0162)

MQRRDDPAARMSRSSGRSGSMDPSGAHPSVRQTPSRQPPLPHRSRGGGGGSRGGARASPA

TQPPPLLPPSATGPDATVGGPAPTPLLPPSATASVKMEPENKYLPELMAEKDSLDPSFTH

AMQLLTAEIEKIQKGDSKKDDEENYLDLFSHKNMKLKERVLIPVKQYPKFNFVGKILGPQ

GNTIKRLQEETGAKISVLGKGSMRDKAKEEELRKGGDPKYAHLNMDLHVFIEVFGPPCEA

YALMAHAMEEVKKFLVPDMMDDICQEQFLELSYLNGVPEPSRGRGVPVRGRGAAPPPPPV

PRGRGVGPPRGALVRGTPVRGAITRGATVTRGVPPPPTVRGAPAPRARTAGIQRIPLPPP

PAPETYEEYGYDDTYAEQSYEGYEGYYSQSQGDSEYYDYGHGEVQDSYEAYGQDDWNGTR

PSLKAPPARPVKGAYREHPYGRY

>sp|Q9NZM5| [nucleolus](https://www.uniprot.org/locations/SL-0188), [nucleoplasm](https://www.uniprot.org/locations/SL-0190)

MAAGGSGVGGKRSSKSDADSGFLGLRPTSVDPALRRRRRGPRNKKRGWRRLAQEPLGLEV

DQFLEDVRLQERTSGGLLSEAPNEKLFFVDTGSKEKGLTKKRTKVQKKSLLLKKPLRVDL

ILENTSKVPAPKDVLAHQVPNAKKLRRKEQLWEKLAKQGELPREVRRAQARLLNPSATRA

KPGPQDTVERPFYDLWASDNPLDRPLVGQDEFFLEQTKKKGVKRPARLHTKPSQAPAVEV

APAGASYNPSFEDHQTLLSAAHEVELQRQKEAEKLERQLALPATEQAATQESTFQELCEG

LLEESDGEGEPGQGEGPEAGDAEVCPTPARLATTEKKTEQQRRREKAVHRLRVQQAALRA

ARLRHQELFRLRGIKAQVALRLAELARRQRRRQARREAEADKPRRLGRLKYQAPDIDVQL

SSELTDSLRTLKPEGNILRDRFKSFQRRNMIEPRERAKFKRKYKVKLVEKRAFREIQL

>sp|P14174| [Secreted](https://www.uniprot.org/locations/SL-0243)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MPMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALC

SLHSIGKIGGAQNRSYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFA

>sp|Q86B87 [Nucleus](https://www.uniprot.org/locations/SL-0191), [Chromosome](https://www.uniprot.org/locations/SL-0468)

MADDEQFSLCWNNFNTNLSAGFHESLCRGDLVDVSLAAEGQIVKAHRLVLSVCSPFFRKM

FTQMPSNTHAIVFLNNVSHSALKDLIQFMYCGEVNVKQDALPAFISTAESLQIKGLTDND

PAPQPPQESSPPPAAPHVQQQQIPAQRVQRQQPRASARYKIETVDDGLGDEKQSTTQIVI

QTTAAPQATIVQQQQPQQAAQQIQSQQLQTGTTTTATLVSTNKRSAQRSSLTPASSSAGV

KRSKTSTSANVMDPLDSTTETGATTTAQLVPQQITVQTSVVSAAEAKLHQQSPQQVRQEE

AEYIDLPMELPTKSEPDYSEDHGDAAGDAEGTYVEDDTYGDMRYDDSYFTENEDAGNQTA

ANTSGGGVTATTSKAVVKQQSQNYSESSFVDTSGDQGNTEAQAATSASATKIPPRKRGRP

KTKVEDQTPKPKLLEKLQAATLNEEASEPAVYASTTKGGVKLIFNGHLFKFSFRKADYSV

FQCCYREHGEECKVRVVCDQKRVFPYEGEHVHFMQASDKSCLPSQFMPGESGVISSLSPS

KELLMKNTTKLEEADDKEDEDFEEFEIQEIDEIELDEPEKTPAKEEEVDPNDFREKIKRR

LQKALQNKKK

>sp|O08573| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086),

MALFSAQSPYINPIIPFTGPIQGGLQEGLQVTLQGTTKSFAQRFVVNFQNSFNGNDIAFH

FNPRFEEGGYVVCNTKQNGQWGPEERKMQMPFQKGMPFELCFLVQRSEFKVMVNKKFFVQ

YQHRVPYHLVDTIAVSGCLKLSFITFQNSAAPVQHVFSTLQFSQPVQFPRTPKGRKQKTQ

NFRPAHQAPMAQTTIHMVHSTPGQMFSTPGIPPVVYPTPAYTIPFYTPIPNGLYPSKSIM

ISGNVLPDATRFHINLRCGGDIAFHLNPRFNENAVVRNTQINNSWGQEERSLLGRMPFSR

GQSFSVWIICEGHCFKVAVNGQHMCEYYHRLKNLQDINTLEVAGDIQLTHVQT

>sp|O00182| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Secreted](https://www.uniprot.org/locations/SL-0243),

MAFSGSQAPYLSPAVPFSGTIQGGLQDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAF

HFNPRFEDGGYVVCNTRQNGSWGPEERKTHMPFQKGMPFDLCFLVQSSDFKVMVNGILFV

QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQPAFSTVPFSQPVCFPPRPRGRRQK

PPGVWPANPAPITQTVIHTVQSAPGQMFSTPAIPPMMYPHPAYPMPFITTILGGLYPSKS

ILLSGTVLPSAQRFHINLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF

VRGQSFSVWILCEAHCLKVAVDGQHLFEYYHRLRNLPTINRLEVGGDIQLTHVQT

>sp|Q95QD7| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MNQGEIVYQDDDDYYDESEIYDNYEEGAEFIEVNGQLVPHNPNLQAQQNRPGTSSMIQQH

NRSMEVNQGLVKDEPIDTSSHRVYVPPPRPVQRKLFQPGPSTPGSSQYTVRNLSNLSGSP

SMYDRQPASLPRTVQPMGLEMGNSEQRKVYIDMKDHVSHIRLKTKKKVFAPGQRKPCNCT

KSQCLKLYCDCFANGEFCRDCNCKDCHNNIEYDSQRSKAIRQSLERNPNAFKPKIGIARG

GITDIERLHQKGCHCKKSGCLKNYCECYEAKVPCTDRCKCKGCQNTETYRMTRYKNSGGA

VSNTNALMSLTNASSTATPDSGPGSVVTDEHGDDYEDMLLSHKPKVEMDPRRFPWYYMTD

EVVEAATMCMVAQAEEALNYEKVQTEDEKLINMEKLVLREFGRCLEQMITNTTELTQDLD

AAPTDDIPGPSTSTS

>sp|Q21443| [Nucleus envelope](https://www.uniprot.org/locations/SL-0178), [Nucleus inner membrane](https://www.uniprot.org/locations/SL-0179),  [Lipid-anchor](https://www.uniprot.org/locations/SL-9901), [Nucleoplasmic side](https://www.uniprot.org/locations/SL-9915)

MSSRKGTRSSRIVTLERSANSSLSNNGGGDDSFGSTLLETSRLQEKDHLTSLNSRLATYI

DKVRQLEQENNRLQVQIRDIEVVEKKEKSNLADRFEAEKARLRRALDSAQDELAKYRIEY

DAAKVEVKKLKPQVEKLERELAGAEEQALHAQSIADQSQAKQKTLQARNDKLVVENDDLK

KQNITLRDTVEGLKKAVEDETLLRTAANNKIKALEEDLAFALQQHKGELEEVRHKRQVDM

TTYAKQINDEYQSKLQDQIEEMRAQFKNNLHQNKTAFEDAYKNKLNAARERQEEAVSEAI

HLRARVRDLETSSSGNASLIERLRSELDTLKRSFQEKLDDKDARIAELNQEIERMMSEFH

DLLDVKIQLDAELKTYQALLEGEEERLNLTQEAPQNTSVHHVSFSSGGASAQRGVKRRRV

VDVNGEDQDIDYLNRRSKLNKETVGPVGIDEVDEEGKWVRVANNSEEEQSIGGYKLVVKA

GNKEASFQFSSRMKLAPHASATVWSADAGAVHHPPEVYVMKKQQWPIGDNPSARLEDSEG

DTVSSITVEFSESSDPSDPADRCSIM

>sp|G5EDT1| [Nucleus](https://www.uniprot.org/locations/SL-0191)

MPKRAADEPGTSTTDPFHEQSPFDAVLAGTETTDTICEEPPAKRIDLDIKQEFNGGVQSG

GLIKNESELTQMTIKQETEGNINEARREEEDEEQDEDSRTSMPPALGEDDDYEEDDADSF

IDKTNTPPPSQSFLEGCRAANLPNDIVTGAWETYNHAVQRVSLEGSESAWQLSAIYYYLL

SKGIKRRGKTIRILIQPFPVSILTIANSFDISVAEMLDKTARFVEIIHSRKIRRYQEYIR

RIQEGLAVSCVIFKKFCRIFCKIFEEIKVGSENCPSSHELFTVLWTSFLVMKSRMTVDDL

ISNYQLLFSILDQVYTEMCSMKEGIVHHLNQKFVEDLLENDCTIIRALCTQFGGSVLDAR

HFSDHTFKKMEKTGIPSTWNFQEFRDLIMNVPKTAYENYLLQRGSIDERIFIPSVEDFSK

IFQSPDTYSVADILKVSYSGRRFRDAEFLTKISNNHCLEKLALGGKVASEKLVTQSKEQP

RVPCVEYNLELGNYPDDLESNNQSLYNRLTKIIGSWKLENSKLEEVCGTMSDSPMATILL

KSDEMTNKFERTLSAELGETINENIPKYHYNVRKELELVFLIFMEKIIVAELKKKVREED

LLNVIRREEFLDSVFCFCVELILVSNGYDRPFPWSAELCGVHPFMFHKVIDLMITHEKQL

SRQMVQHFSRIEETVIEYFSWKSDSPLWPMVVRCPFAHFQEFGEDWADKLNSYSPIKFTP

IKKPDDLRDELGRPIVPQNQTSRTLRIFLKRTYFTAARRLQDLTDRVSMGARAKSQCWSL

FDYLLRNDTLIFMDRHLDQILLCCVFVIMKINESSMLFTEIMAQYRRQSANSLLVYRSVT

VFQEQLNPENPQAVNTKETILERLEGPQKEKTTVDIIKYYNIEFRDRIKYIIGQIDSASD

EDLMEMPVATESGLMPVRVYLTHKLSIQTLPKTKHGESKQERAIANLEKSGITIAMERSG

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>sp|P61793| [Cell surface](https://www.uniprot.org/locations/SL-0310)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，

MAAASTSSPVISQPQFTAMNEQQCFYNESIAFFYNRSGKYLATEWNTVSKLVMGLGITVC

VFIMLANLLVMVAIYVNRRFHFPIYYLMANLAAADFFAGLAYFYLMFNTGPNTRRLTVST

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RHSSGPRRNRDTMMSLLKTVVIVLGAFIVCWTPGLVLLLLDVCCPQCDVLAYEKFFLLLA

EFNSAMNPIIYSYRDKEMSATFRQILCCQRNENPNGPTEGSDRSASSLNHTILAGVHSND

HSVV

>sp|Q99732| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Lysosome membrane](https://www.uniprot.org/locations/SL-0157)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)， [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)，[Early endosome membrane](https://www.uniprot.org/locations/SL-0093)，[Late endosome membrane](https://www.uniprot.org/locations/SL-0151)，[Endosome membrane](https://www.uniprot.org/locations/SL-0100)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134)

MSVPGPYQAATGPSSAPSAPPSYEETVAVNSYYPTPPAPMPGPTTGLVTGPDGKGMNPPS

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>sp|Q6PKG0| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)

MATQVEPLLPGGATLLQAEEHGGLVRKKPPPAPEGKGEPGPNDVRGGEPDGSARRPRPPC

AKPHKEGTGQQERESPRPLQLPGAEGPAISDGEEGGGEPGAGGGAAGAAGAGRRDFVEAP

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LPKGLSASLPDLDSENWIEVKKRPRPSPARPKKSEESRFSHLTSLPQQLPSQQLMSKDQD

EQEELDFLFDEEMEQMDGRKNTFTAWSDEESDYEIDDRDVNKILIVTQTPHYMRRHPGGD

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>sp|Q9NX58| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[nucleolus](https://www.uniprot.org/locations/SL-0188)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，

MVFFTCNACGESVKKIQVEKHVSVCRNCECLSCIDCGKDFWGDDYKNHVKCISEDQKYGG

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QGEVKKNKRERKEERQKKRKREKKELKLENHQENSRNQKPKKRKKGQEADLEAGGEEVPE

ANGSAGKRSKKKKQRKDSASEEEAHVGAGKRKRRHSEVETDSKKKKMKLPEHPEGGEPED

DEAPAKGKFNWKGTIKAILKQAPDNEITIKKLRKKVLAQYYTVTDEHHRSEEELLVIFNK

KISKNPTFKLLKDKVKLVK

>sp|Q8TDZ2| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[Midbody](https://www.uniprot.org/locations/SL-0469)

MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLNYWSA

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FTGLQPPPRKGSGWRAQLQPNPPAQLANYEFDVLISAAGGKFVPEGFKVREMRGKLAIGI

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GLSTPTASQEGAGPVPDPSQPTRRQIRLSSPERQRLSSLNLTPDPEMEPPPKPPRSCSAL

ARHALESSFVGWGLPVQSPQALVAMEKEEKESPFSSEEEEEDVPLDSDVEQALQTFAKTS

GTMNNYPTWRRTLLRRAKEEEMKRFCKAQTIQRRLNEIEAALRELEAEGVKLELALRRQS

SSPEQQKKLWVGQLLQLVDKKNSLVAEEAELMITVQELNLEEKQWQLDQELRGYMNREEN

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>sp|Q96L34| [centrosome](https://www.uniprot.org/locations/SL-0048)，[microtubule organizing center](https://www.uniprot.org/locations/SL-0484)，[cilium basal body](https://www.uniprot.org/locations/SL-0087)，[cilium axoneme](https://www.uniprot.org/locations/SL-0304)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[dendrite](https://www.uniprot.org/locations/SL-0283)

MSSRTVLAPGNDRNSDTHGTLGSGRSSDKGPSWSSRSLGARCRNSIASCPEEQPHVGNYR

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DLKAENLLLDAEANIKIADFGFSNEFTLGSKLDTFCGSPPYAAPELFQGKKYDGPEVDIW

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RPGLRGVLFRRVAGTALAFRTLVTRISNDLEL

>sp|Q5S007| [Membrane](https://www.uniprot.org/locations/SL-0162)， [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Perikaryon](https://www.uniprot.org/locations/SL-0197)，[Mitochondrion](https://www.uniprot.org/locations/SL-0173)，[Golgi apparatus](https://www.uniprot.org/locations/SL-0132)，[axon](https://www.uniprot.org/locations/SL-0279)，[dendrite](https://www.uniprot.org/locations/SL-0283)，[Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095)，[synaptic vesicle membrane](https://www.uniprot.org/locations/SL-0260)，[Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)

MASGSCQGCEEDEETLKKLIVRLNNVQEGKQIETLVQILEDLLVFTYSERASKLFQGKNI

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CKALHVLFERVSEEQLTEFVENKDYMILLSALTNFKDEEEIVLHVLHCLHSLAIPCNNVE

VLMSGNVRCYNIVVEAMKAFPMSERIQEVSCCLLHRLTLGNFFNILVLNEVHEFVVKAVQ

QYPENAALQISALSCLALLTETIFLNQDLEEKNENQENDDEGEEDKLFWLEACYKALTWH

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RMVIRYQMKSAVEEGTASGSDGNFSEDVLSKFDEWTFIPDSSMDSVFAQSDDLDSEGSEG

SFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPIFDHEDLLKRKRKILSSDDSLR

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RASSSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESDALAKL

RKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLLQLVREN

QLQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPK

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LVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALHVAD

GLRYLHSAMIIYRDLKPHNVLLFTLYPNAAIIAKIADYGIAQYCCRMGIKTSEGTPGFRA

PEVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYG

CAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHH

NSRNASIWLGCGHTDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQ

SGTLLVINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTV

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NKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLLDLSTRRLIRVIYNFCNSVRVMMT

AQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEK

MRRTSVE

>sp|Q8I4E2| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[phagosome membrane](https://www.uniprot.org/locations/SL-0205)

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NRFSNFVKSGVEAYVIGESKTTSQISERHEVVMNNGIIQWKPIQQYYTCIVDKPKKESKL

KGLKSFIAYSITSSLTNIQRQVSRRYKHFDWLHEQLSAKYVLIPIPPLPEKQVAGRYEED

LIDHRKHILQLWVNKICRHPVLSQSEVWLHFISCTDEKDWKNGKRRAEKDEYIGGAFLNC

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>sp|Q7L5Y9| [nucleoplasm](https://www.uniprot.org/locations/SL-0190)，[Nucleus matrix](https://www.uniprot.org/locations/SL-0181)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)

MAVQESAAQLSMTLKVQEYPTLKVPYETLNKRFRAAQKNIDRETSHVTMVVAELEKTLSG

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WCHDNKSRLRKMKSCLEFSLRIQEFIELIRQNKRLDAVRHARKHFSQAEGSQLDEVRQAM

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QCYKEDGSSKSPDCPVCSRSLNKLAQPLPMAHCANSRLVCKISGDVMNENNPPMMLPNGY

VYGYNSLLSIRQDDKVVCPRTKEVFHFSQAEKVYIM

>sp|P40692| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MSFVAGVIRRLDETVVNRIAAGEVIQRPANAIKEMIENCLDAKSTSIQVIVKEGGLKLIQ

IQDNGTGIRKEDLDIVCERFTTSKLQSFEDLASISTYGFRGEALASISHVAHVTITTKTA

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GRYSVHNAGISFSVKKQGETVADVRTLPNASTVDNIRSIFGNAVSRELIEIGCEDKTLAF

KMNGYISNANYSVKKCIFLLFINHRLVESTSLRKAIETVYAAYLPKNTHPFLYLSLEISP

QNVDVNVHPTKHEVHFLHEESILERVQQHIESKLLGSNSSRMYFTQTLLPGLAGPSGEMV

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>sp|Q6UX06| [extracellular space](https://www.uniprot.org/locations/SL-0112), [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MRPGLSFLLALLFFLGQAAGDLGDVGPPIPSPGFSSFPGVDSSSSFSSSSRSGSSSSRSL

GSGGSVSQLFSNFTGSVDDRGTCQCSVSLPDTTFPVDRVERLEFTAHVLSQKFEKELSKV

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>sp|Q96J02| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903),  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Early endosome membrane](https://www.uniprot.org/locations/SL-0093), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [Endosome membrane](https://www.uniprot.org/locations/SL-0100),

MSDSGSQLGSMGSLTMKSQLQITVISAKLKENKKNWFGPSPYVEVTVDGQSKKTEKCNNT

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GQE

>sp|Q4VC33| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus matrix](https://www.uniprot.org/locations/SL-0181)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)

MAVQESAAQLSMTLKVQEYPTLKVPYETLNKRFRAAQKNIDRETSHVTMVVAELEKTLSS

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>sp|P31938| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Membrane](https://www.uniprot.org/locations/SL-0162)， [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MPKKKPTPIQLNPAPDGSAVNGTSSAETNLEALQKKLEELELDEQQRKRLEAFLTQKQKV

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CNSPYIVGFYGAFYSDGEISICMEHMDGGSLDQVLKKAGRIPEQILGKVSIAVIKGLTYL

REKHKIMHRDVKPSNILVNSRGEIKLCDFGVSGQLIDSMANSFVGTRSYMSPERLQGTHY

SVQSDIWSMGLSLVEMAVGRYPIPPPDAKELELLFGCHVEGDAAETPPRPRTPGRPLSSY

GMDSRPPMAIFELLDYIVNEPPPKLPSGVFSLEFQDFVNKCLIKNPAERADLKQLMVHAF

IKRSDAEEVDFAGWLCSTIGLNQPSTPTHAASI

>sp|P00973| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Mitochondrion](https://www.uniprot.org/locations/SL-0173)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Microsome](https://www.uniprot.org/locations/SL-0166)，[Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095)

MMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIDIICGFLKERCFRGSSYPVCVSKVVK

GGSSGKGTTLRGRSDADLVVFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFE

VQAPRWGNPRALSFVLSSLQLGEGVEFDVLPAFDALGQLTGGYKPNPQIYVKLIEECTDL

QKEGEFSTCFTELQRDFLKQRPTKLKSLIRLVKHWYQNCKKKLGKLPPQYALELLTVYAW

ERGSMKTHFNTAQGFRTVLELVINYQQLCIYWTKYYDFKNPIIEKYLRRQLTKPRPVILD

PADPTGNLGGGDPKGWRQLAQEAEAWLNYPCFKNWDGSPVSSWILLAESNSADDETDDPR

RYQKYGYIGTHEYPHFSHRPSTLQAASTPQAEEDWTCTIL

>sp|O00257| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Nucleus speckle](https://www.uniprot.org/locations/SL-0186)

MELPAVGEHVFAVESIEKKRIRKGRVEYLVKWRGWSPKYNTWEPEENILDPRLLIAFQNR

ERQEQLMGYRKRGPKPKPLVVQVPTFARRSNVLTGLQDSSTDNRAKLDLGAQGKGQGHQY

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PSPTCPDLGAKSHPPDKWAQGAGAKGYLGAVKPLAGAAGAPGKGSEKGPPNGMMPAPKEA

VTGNGIGGKMKIVKNKNKNGRIVIVMSKYMENGMQAVKIKSGEVAEGEARSPSHKKRAAD

ERHPPADRTFKKAAGAEEKKVEAPPKRREEEVSGVSDPQPQDAGSRKLSPTKEAFGEQPL

QLTTKPDLLAWDPARNTHPPSHHPHPHPHHHHHHHHHHHHAVGLNLSHVRKRCLSETHGE

REPCKKRLTARSISTPTCLGGSPAAERPADLPPAAALPQPEVILLDSDLDEPIDLRCVKT

RSEAGEPPSSLQVKPETPASAAVAVAAAAAPTTTAEKPPAEAQDEPAESLSEFKPFFGNI

IITDVTANCLTVTFKEYVTV

>sp|P07858| [Lysosome](https://www.uniprot.org/locations/SL-0158)，[Melanosome](https://www.uniprot.org/locations/SL-0161)

MWQLWASLCCLLVLANARSRPSFHPLSDELVNYVNKRNTTWQAGHNFYNVDMSYLKRLCG

TFLGGPKPPQRVMFTEDLKLPASFDAREQWPQCPTIKEIRDQGSCGSCWAFGAVEAISDR

ICIHTNAHVSVEVSAEDLLTCCGSMCGDGCNGGYPAEAWNFWTRKGLVSGGLYESHVGCR

PYSIPPCEHHVNGSRPPCTGEGDTPKCSKICEPGYSPTYKQDKHYGYNSYSVSNSEKDIM

AEIYKNGPVEGAFSVYSDFLLYKSGVYQHVTGEMMGGHAIRILGWGVENGTPYWLVANSW

NTDWGDNGFFKILRGQDHCGIESEVVAGIPRTDQYWEKI

>sp|P49662| [cytosol](https://www.uniprot.org/locations/SL-0091), [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903),  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Inflammasome](https://www.uniprot.org/locations/SL-0488), [Secreted](https://www.uniprot.org/locations/SL-0243)

MAEGNHRKKPLKVLESLGKDFLTGVLDNLVEQNVLNWKEEEKKKYYDAKTEDKVRVMADS

MQEKQRMAGQMLLQTFFNIDQISPNKKAHPNMEAGPPESGESTDALKLCPHEEFLRLCKE

RAEEIYPIKERNNRTRLALIICNTEFDHLPPRNGADFDITGMKELLEGLDYSVDVEENLT

ARDMESALRAFATRPEHKSSDSTFLVLMSHGILEGICGTVHDEKKPDVLLYDTIFQIFNN

RNCLSLKDKPKVIIVQACRGANRGELWVRDSPASLEVASSQSSENLEEDAVYKTHVEKDF

IAFCSSTPHNVSWRDSTMGSIFITQLITCFQKYSWCCHLEEVFRKVQQSFETPRAKAQMP

TIERLSMTRYFYLFPGN

>sp|Q13901| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [nucleolus](https://www.uniprot.org/locations/SL-0188)

MAGEEINEDYPVEIHEYLSAFENSIGAVDEMLKTMMSVSRNELLQKLDPLEQAKVDLVSA

YTLNSMFWVYLATQGVNPKEHPVKQELERIRVYMNRVKEITDKKKAGKLDRGAASRFVKN

ALWEPKSKNASKVANKGKSKS

>sp|Q6PHS9| [Membrane](https://www.uniprot.org/locations/SL-0162)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)

MAVPARTCGASWPGPVRTARPWPGRGPRPCPDPRGPASGPARPLLLLLPPLLLLPLLTAP

GASAYSFPQQHTMQHWARRLEQEIDGVMRIFGGVQQLREIYKDNRNLFEVQENEPQKLVE

KVAGDIESLLDRKVQALKRLADAAENFQKAHRWQDNIKEEDIMYYDAKADAELDDPESED

MERGSKTSALRLDFIEDPNFKNKVNYSYTAVQIPTDIYKGSTVILNELNWTEALENVFIE

NRRQDPTLLWQVFGSATGVTRYYPATPWRAPKKIDLYDVRRRPWYIQGASSPKDMVIIVD

VSGSVSGLTLKLMKTSVCEMLDTLSDDDYVNVASFNEKAQPVSCFTHLVQANVRNKKVFK

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KDAKQVQWTNVYEDALGLGLVVTGTLPVFNLTQDGPGEKKNQLILGVMGIDVALNDIKRL

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GVFVPTIADFLNLAWWTSAAAWSLFQQLLYGLIYHSWFQADPAEAEGSPETRESSCVMKQ

TQYYFGSVNASYNAIIDCGNCSRLFHAQRLTNTNLLFVVAEKPLCSQCEAGRLLQKETHS

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PQPQVHSFAASRHL

>sp|Q9NR09| [trans-Golgi network membrane](https://www.uniprot.org/locations/SL-0267), [Endosome](https://www.uniprot.org/locations/SL-0101),, [spindle pole](https://www.uniprot.org/locations/SL-0448), [centrosome](https://www.uniprot.org/locations/SL-0048), [Midbody ring](https://www.uniprot.org/locations/SL-0490)

MVTGGGAAPPGTVTEPLPSVIVLSAGRKMAAAAAAASGPGCSSAAGAGAAGVSEWLVLRD

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GVLDIPMISWVVMLVSRLLDYVATVEDEAAAAKKPLNGNQWSFINNNLHTQSLNRSSKGS

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AVDSLLCSMCHVHPNYFSLLMGWMGITPPPVQCHHRLSMTDDSKKQDLSSSLTDDSKNAQ

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>sp|Q9XWH0| [kinetochore](https://www.uniprot.org/locations/SL-0149)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MSTYQAATIVAAPNEFRVPFPPFVQISKVQFQREAGSRLLAASGWDGTCRVYEVGKLGDI

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KLREPLQVRDSPLKYQTRAVQFFPTGEAFVVSSIEGRVAVEYVDQSGEEMMKRKYAFKCH

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FNEDGSQLAIATSYQYEKEIDPSPLPNNSITIRHITDPESRPK

>sp|O35658| [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170),

MLPLLRCVPRSLGAASGLRTAIPAQPLRHLLQPAPRPCLRPFGLLSVRAGSARRSGLLQP

PVPCACGCGALHTEGDKAFVEFLTDEIKEEKKIQKHKSLPKMSGDWELEVNGTEAKLLRK

VAGEKITVTFNINNSIPPTFDGEEEPSQGQKAEEQEPERTSTPNFVVEVTKTDGKKTLVL

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DRGVDNTFADELVELSTALEHQEYITFLEDLKSFVKNQ

>sp|Q8R5M8|C [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Single-pass type I membrane protein，](https://www.uniprot.org/locations/SL-9905) [synapse](https://www.uniprot.org/locations/SL-0258)

MASAVLPSGSQCAAAAAVAAAAAPPGLRLRLLLLLLSAAALIPTGDGQNLFTKDVTVIEG

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FTHEAKGADDAADADTAIINAEGGQNNSEEKKEYFI

>sp|P11021| [Endoplasmic reticulum lumen](https://www.uniprot.org/locations/SL-0096)，[Melanosome](https://www.uniprot.org/locations/SL-0161)，

MKLSLVAAMLLLLSAARAEEEDKKEDVGTVVGIDLGTTYSCVGVFKNGRVEIIANDQGNR

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VFEVVATNGDTHLGGEDFDQRVMEHFIKLYKKKTGKDVRKDNRAVQKLRREVEKAKRALS

SQHQARIEIESFYEGEDFSETLTRAKFEELNMDLFRSTMKPVQKVLEDSDLKKSDIDEIV

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>sp|P38398| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDLSALRVEEVQNVINAMQKILECPICLELIKEPVSTKCDHIFCKFCMLKLLNQKKGPSQ

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SHY

>sp|B6VQ60| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

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RSVLDKRSCRDTYQITMAVQNYLKLSEAFKKDIENMNTFKSLPPEKMFMESQMPLDITII

PENDGKRCAPDFAIPFLPVRRKRPSRPQPPSAFAEEPAEPVEPPEPATKQPVELQSRVFP

LEKLKKDVETSTETYKISREELKNVDIEEYINTLRENSTEIDEIDALFQLMPTMRQFLRN

NINQLMEKFHVAPPKKSEKPANRRVSFASSQDLENIKIMTASESLETPPEPIQKLAQKPE

VFKSTQNLIDLNLNTAVKKPVVVASDDDEVVEDSEGELQIDEDDLANVTCATSSTTLDAD

RTPKAIQDDEDRIDDELSQVPKTIVCSRIHNDADEVVGLELLSDFYHKFLSNACRFAEDV

NEHTTHLVMMNSEGRSISQKSTAYLYAIARKCVIVGRQWLVDCITTGLLLSEADYTITSC

SSTIPVKIPPSIGSEMGWLRSRNDEHGKLFAGRRFMILRKFTMNPYFDYKQLIELVQQCG

GEILSCYENLSPEKLYIIFSKHSKAIEESKNIENLYKCDVVTMEWVLDSISEYLILPTQP

YKAVDSIGCLQD

>sp|G5EFA2| [Chromosome](https://www.uniprot.org/locations/SL-0468)，[spindle](https://www.uniprot.org/locations/SL-0251)，[Midbody](https://www.uniprot.org/locations/SL-0469)

MAPGTKKKSDMAKFTFYKDRLMTFKNFEYDRDPDAKCTSQAVAQAGFYCTGPQSGKCAFC

NKELDFDPEDDPWYEHTKRDEPCEFVRIGKLDDSELTINDTVRLSQTAMIMTKLFEHEMM

INNLSNHSSSDALFDQLKKVPNTASTTKSNSRRGK

>sp|Q80X66| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MAGRPHPYDSNSSDPENWDRKLHSRPRKLYKHSSSASRVAKGGVDHTKMSLHGASGGHER

SRDRRRSSDRSRDSSHERAESQLTPCIRNVTSPTRQHHIEREKDHSSSRPSSPRPQRASP

NGSMSSAGNSSRNSSQSSSDGSCKTSGEMVFVYENAKEGARNVRTSERVTLIVDNTRFVV

DPSIFTAQPNTMLGRMFGSGREHNFTRPNEKGEYEVAEGIGSTVFRAILDYYKTGIIRCP

DGISIPELREACDYLCISFEYSTIKCRDLSALMHELSNDGARRQFEFYLEEMILPLMVAS

AQSGERECHIVVLTDDDVVDWDEEYPPQMGEEYSQIIYSTKLYRFFKYIENRDVAKSVLK

ERGLKKIRLGIEGYPTYKEKVKKRPGGRPEVIYNYVQRPFIRMSWEKEEGKSRHVDFQCV

KSKSITNLAAAAADIPQDQLVVMHPTPQVDELDILPSHPASGNNDLDPDAQNPML

>sp|Q22592| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Perikaryon](https://www.uniprot.org/locations/SL-0197)，[dendrite](https://www.uniprot.org/locations/SL-0283)，[axon](https://www.uniprot.org/locations/SL-0279)，[Endosome](https://www.uniprot.org/locations/SL-0101)

MTTQRSHICLNCQHPLRLDFTQRRPDSADSEKKSETVITEALTGHSRNLMKLISDAQFPS

DAPVCNDCSDALRNEMDAQVATLDDEIKTYQTYINYLKENHPTTSIPDLKAKLQNVSDEE

KELEQQLKKLLAEEEQLDLDLQTKRRTAEAASEKSGELWKKYRDNLRQVFEDQDELHSLE

AERQYAEVQHRKLTDTNVLDLCFHIWVDGIVGEINGFRLGYLKDAPVEFTEINAALGQIV

LLLEILLERIGVQHHELMPVAMGSHSYIKLRRNGIDMETYALYGQGTPLSGSSGIDPGIR

RFLQLLEFLLKELKDRNKNFKPPYQIHADSLVDNGVKYNAVMTLNTDVRWTRAMALMLTD

LKAACAQCDALRSPI

>sp|P55957| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171), [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MDCEVNNGSSLRDECITNLLVFGFLQSCSDNSFRRELDALGHELPVLAPQWEGYDELQTD

GNRSSHSRLGRIEADSESQEDIIRNIARHLAQVGDSMDRSIPPGLVNGLALQLRNTSRSE

EDRNRDLATALEQLLQAYPRDMEKEKTMLVLALLLAKKVASHTPSLLRDVFHTTVNFINQ

NLRTYVRSLARNGMD

>sp|P70444| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171),

MDSEVSNGSGLGAEHITDLLVFGFLQSSGCTRQELEVLGRELPVQAYWEADLEDELQTDG

SQASRSFNQGRIEPDSESQEEIIHNIARHLAQIGDEMDHNIQPTLVRQLAAQFMNGSLSE

EDKRNCLAKALDEVKTAFPRDMENDKAMLIMTMLLAKKVASHAPSLLRDVFHTTVNFINQ

NLFSYVRNLVRNEMD

>sp|Q8JGN5| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Chromosome](https://www.uniprot.org/locations/SL-0468), [centromere](https://www.uniprot.org/locations/SL-0047), [spindle](https://www.uniprot.org/locations/SL-0251)

MYSAKNRFVQAVQRLQDFKNMYDYDARLATFADWPFTENCKCTPESMAKAGFVHCPTENE

PDVACCFFCLKELEGWEPDDDPWTEHSKRSANCGFLSLTKCVNDLTMEGFLRLEGDRIKS

FYRKFSTVVLQYVEEEMTAATKRLLEYFSNQHHCSIDLDH

>sp|Q9NXR7| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MSPEVALNRISPMLSPFISSVVRNGKVGLDATNCLRITDLKSGCTSLTPGPNCDRFKLHI

PYAGETLKWDIIFNAQYPELPPDFIFGEDAEFLPDPSALQNLASWNPSNPECLLLVVKEL

VQQYHQFQCSRLRESSRLMFEYQTLLEEPQYGENMEIYAGKKNNWTGEFSARFLLKLPVD

FSNIPTYLLKDVNEDPGEDVALLSVSFEDTEATQVYPKLYLSPRIEHALGGSSALHIPAF

PGGGCLIDYVPQVCHLLTNKVQYVIQGYHKRREYIAAFLSHFGTGVVEYDAEGFTKLTLL

LMWKDFCFLVHIDLPLFFPRDQPTLTFQSVYHFTNSGQLYSQAQKNYPYSPRWDGNEMAK

RAKAYFKTFVPQFQEAAFANGKL

>sp|Q61137| [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Perikaryon](https://www.uniprot.org/locations/SL-0197)，[Endosome](https://www.uniprot.org/locations/SL-0101)，[clathrin-coated vesicle](https://www.uniprot.org/locations/SL-0070)

MALAGLCALFACCWGPAAVLATAAGDVDPSKELECKLKSITVSALPFLRENDLSIMHSPS

ASEPKLLFSVRNDFPGEMVVVDDLENTELPYFVLEISGNTEDIPLVRWRQQWLENGTLLF

HIHHQDGAPSLPGQDPTEEPQHESAEEELRILHISVMGGMIALLLSILCLVMILYTRRRW

CKRRRVPQPQKSASAEAANEIHYIPSVLIGGHGRESLRNARVQGHNSSGTLSIRETPILD

GYEYDITDLRHHLQRECMNGGEDFASQVTRTLDSLQGCNEKSGMDLTPGSDNAKLSLMNK

YKDNIIATSPVDSNHQQATLLSHTSSSQRKRINNKARAGSAFLNPEGDSSTEAENDPQLT

FYTDPSRSRRRSRVGSPRSPVNKTTLTLISVTSCVIGLVCSSHVSCPLVVKITLHVPEHL

IADGSRFILLEGSQLDASDWLNPAQVVLFSQQNSSGPWAMDLCARRLLDPCEHQCDPETG

RREHRAAGECLCYEGYMKDPVHKHLCIRNEWGTNQGPWPYTIFQRGFDLVLGEQPSDKIF

RFTYTLGEGMWLPLSKSFVIPPAELAINPSAKCKTDMTVMEDAVEVREELMTSSSFDSLE

VLLDSFGPVRDCSKDNGGCSKNFRCISDRKLDSTGCVCPSGLSPMKDSSGCYDRHIGVDC

SDGFNGGCEQLCLQQMAPFPEDPTLYNILMFCGCIEDYKLGVDGRSCQLVTETCPEGGDC

GESREVPMNQTLFGEMFFGYNNQSKEVATGQVLKGTFRQNNFARGLDQQLPDGLVVASVP

LENQCLEEISEPTPDPDFLTGMVNFSEVSGYPVLQHWKVRSVMYHIKLNQAAISQAFSNA

LHSLDGATSRADFVALLDQFGNHYIQEAVYGFEESCSIWYPNKQVQRRLWLEYEDISKGN

SPSDESEERERDPKVLTFPEYIASLSDSGTKRMAAGVRMECQSKGRCPSSCPLCHVTSSP

ETPAEPVLLEVTRASPIYELVTNNQTQRLLQEATMSSLWCSGTGDVIEDWCRCDSTAFGA

DGLPTCAPLPQPVLRLSTVHEPSSNLVVLEWEHSEPPIGVQIVDYLIRQEKVTDRMDHSK

VETETVLSFVDDIISGAKAPCAMPSQVPDKQLTTISLIIRCLEPDTIYMFTLWGVDNTGR

RSRPSDVIVKTPCPVVDDVKAQEIADKIYNLFNGYTSGKEQQTAYNTLLDLGSPTLHRVL

YHYNQHYESFGEFTWRCEDELGPRKAGLILSQLGDLSSWCNGLLQEPKISLRRGSLKYLG

CRYSEIKPYGLDWSELSRDLRKTCEEQTLSVPYNDYGDSKDI

>sp|Q9ES19| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，

MTEMSFLNSEVLAGDLMSPFDQSGLGAEESLGLLDDYLEVAKHFKPHGFSSDKAGSSEWL

AMDGLVSASDTGKEDAFSGTDWMLEKMDLKEFDFDALFRMDDLETMPDELLATLDDTCDL

FAPLVQETNKEPPQTVNPIGHLPESVIKVDQAAPFTFLQPLPCSPGFLSSTPDHSFSLEL

GSEVDISEGDRKPDSAAYITLTPQCVKEEDTPSDSDSGICMSPESYLGSPQHSPSTSRAP

PDSLPSPGVPRGSRPKPYDPPGVSVTAKVKTEKLDKKLKKMEQNKTAATRYRQKKRAEQE

ALTGECKELEKKNEALKEKADSLAKEIQYLKDLIEEVRKARGKKRVP

>sp|O17850| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [nucleolus](https://www.uniprot.org/locations/SL-0188)

MSKDDPINSIFFEHQEAALCAQHALNMLLQDALYKWQDLRDLAIQMDKMEQQILGNANPT

PGRSENMNESGYFSIQVLEKALETFSLKLTNIENPAMVDYKNNPLTARAYICNLREHWFV

LRKFGNQWFELNSVNRGPKLLSDTYVSMFLHQVSSEGYSIFVVQGVLPRSDADDLISLCP

VVPPKVTPKKEQKLEKVMTKFFNTVGKRLGGGSGAPPDSQEEKDLAIAFAMSMETKDGSE

VSRSSAEIDEENLRKAIELSQAPGPSEPAEIPLLTRSRSSTPPGASEPFSNAEQQRRDRQ

KFLERFEKKKEERNDEK

>sp|Q9BYV9| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MSVDEKPDSPMYVYESTVHCTNILLGLNDQRKKDILCDVTLIVERKEFRAHRAVLAACSE

YFWQALVGQTKNDLVVSLPEEVTARGFGPLLQFAYTAKLLLSRENIREVIRCAEFLRMHN

LEDSCFSFLQTQLLNSEDGLFVCRKDAACQRPHEDCENSAGEEEDEEEETMDSETAKMAC

PRDQMLPEPISFEAAAIPVAEKEEALLPEPDVPTDTKESSEKDALTQYPRYKKYQLACTK

NVYNASSHSTSGFASTFREDNSSNSLKPGLARGQIKSEPPSEENEEESITLCLSGDEPDA

KDRAGDVEMDRKQPSPAPTPTAPAGAACLERSRSVASPSCLRSLFSITKSVELSGLPSTS

QQHFARSPACPFDKGITQGDLKTDYTPFTGNYGQPHVGQKEVSNFTMGSPLRGPGLEALC

KQEGELDRRSVIFSSSACDQVSTSVHSYSGVSSLDKDLSEPVPKGLWVGAGQSLPSSQAY

SHGGLMADHLPGRMRPNTSCPVPIKVCPRSPPLETRTRTSSSCSSYSYAEDGSGGSPCSL

PLCEFSSSPCSQGARFLATEHQEPGLMGDGMYNQVRPQIKCEQSYGTNSSDESGSFSEAD

SESCPVQDRGQEVKLPFPVDQITDLPRNDFQMMIKMHKLTSEQLEFIHDVRRRSKNRIAA

QRCRKRKLDCIQNLECEIRKLVCEKEKLLSERNQLKACMGELLDNFSCLSQEVCRDIQSP

EQIQALHRYCPVLRPMDLPTASSINPAPLGAEQNIAASQCAVGENVPCCLEPGAAPPGPP

WAPSNTSENCTSGRRLEGTDPGTFSERGPPLEPRSQTVTVDFCQEMTDKCTTDEQPRKDY

T

>sp|O15169| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191),

MNIQEQGFPLDLGASFTEDAPRPPVPGEEGELVSTDPRPASYSFCSGKGVGIKGETSTAT

PRRSDLDLGYEPEGSASPTPPYLKWAESLHSLLDDQDGISLFRTFLKQEGCADLLDFWFA

CTGFRKLEPCDSNEEKRLKLARAIYRKYILDNNGIVSRQTKPATKSFIKGCIMKQLIDPA

MFDQAQTEIQATMEENTYPSFLKSDIYLEYTRTGSESPKVCSDQSSGSGTGKGISGYLPT

LNEDEEWKCDQDMDEDDGRDAAPPGRLPQKLLLETAAPRVSSSRRYSEGREFRYGSWREP

VNPYYVNAGYALAPATSANDSEQQSLSSDADTLSLTDSSVDGIPPYRIRKQHRREMQESV

QVNGRVPLPHIPRTYRVPKEVRVEPQKFAEELIHRLEAVQRTREAEEKLEERLKRVRMEE

EGEDGDPSSGPPGPCHKLPPAPAWHHFPPRCVDMGCAGLRDAHEENPESILDEHVQRVLR

TPGRQSPGPGHRSPDSGHVAKMPVALGGAASGHGKHVPKSGAKLDAAGLHHHRHVHHHVH

HSTARPKEQVEAEATRRAQSSFAWGLEPHSHGARSRGYSESVGAAPNASDGLAHSGKVGV

ACKRNAKKAESGKSASTEVPGASEDAEKNQKIMQWIIEGEKEISRHRRTGHGSSGTRKPQ

PHENSRPLSLEHPWAGPQLRTSVQPSHLFIQDPTMPPHPAPNPLTQLEEARRRLEEEEKR

ASRAPSKQRYVQEVMRRGRACVRPACAPVLHVVPAVSDMELSETETRSQRKVGGGSAQPC

DSIVVAYYFCGEPIPYRTLVRGRAVTLGQFKELLTKKGSYRYYFKKVSDEFDCGVVFEEV

REDEAVLPVFEEKIIGKVEKVD

>sp|O35625| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Membrane](https://www.uniprot.org/locations/SL-0162)

MNVQEQGFPLDLGASFTEDAPRPPVPGEEGELVSTDSRPVNHSFCSGKGTSIKSETSTAT

PRRSDLDLGYEPEGSASPTPPYLRWAESLHSLLDDQDGISLFRTFLKQEGCADLLDFWFA

CSGFRKLEPCDSNEEKRLKLARAIYRKYILDSNGIVSRQTKPATKSFIKDCVMKQQIDPA

MFDQAQTEIQSTMEENTYPSFLKSDIYLEYTRTGSESPKVCSDQSSGSGTGKGMSGYLPT

LNEDEEWKCDQDADEDDGRDPLPPSRLTQKLLLETAAPRAPSSRRYNEGRELRYGSWREP

VNPYYVNSGYALAPATSANDSEQQSLSSDADTLSLTDSSVDGIPPYRIRKQHRREMQESI

QVNGRVPLPHIPRTYRMPKEIRVEPQKFAEELIHRLEAVQRTREAEEKLEERLKRVRMEE

EGEDGEMPSGPMASHKLPSVPAWHHFPPRYVDMGCSGLRDAHEENPESILDEHVQRVMRT

PGCQSPGPGHRSPDSGHVAKTAVLGGTASGHGKHVPKLGLKLDTAGLHHHRHVHHHVHHN

SARPKEQMEAEVARRVQSSFSWGPETHGHAKPRSYSENAGTTLSAGDLAFGGKTSAPSKR

NTKKAESGKNANAEVPSTTEDAEKNQKIMQWIIEGEKEISRHRKAGHGSSGLRKQQAHES

SRPLSIERPGAVHPWVSAQLRNSVQPSHLFIQDPTMPPNPAPNPLTQLEEARRRLEEEEK

RANKLPSKQRYVQAVMQRGRTCVRPACAPVLSVVPAVSDLELSETETKSQRKAGGGSAPP

CDSIVVAYYFCGEPIPYRTLVRGRAVTLGQFKELLTKKGSYRYYFKKVSDEFDCGVVFEE

VREDEAVLPVFEEKIIGKVEKVD

>sp|O95817| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSAATHSPMMQVASGNGDRDPLPPGWEIKIDPQTGWPFFVDHNSRTTTWNDPRVPSEGPK

ETPSSANGPSREGSRLPPAREGHPVYPQLRPGYIPIPVLHEGAENRQVHPFHVYPQPGMQ

RFRTEAAAAAPQRSQSPLRGMPETTQPDKQCGQVAAAAAAQPPASHGPERSQSPAASDCS

SSSSSASLPSSGRSSLGSHQLPRGYISIPVIHEQNVTRPAAQPSFHQAQKTHYPAQQGEY

QTHQPVYHKIQGDDWEPRPLRAASPFRSSVQGASSREGSPARSSTPLHSPSPIRVHTVVD

RPQQPMTHRETAPVSQPENKPESKPGPVGPELPPGHIPIQVIRKEVDSKPVSQKPPPPSE

KVEVKVPPAPVPCPPPSPGPSAVPSSPKSVATEERAAPSTAPAEATPPKPGEAEAPPKHP

GVLKVEAILEKVQGLEQAVDNFEGKKTDKKYLMIEEYLTKELLALDSVDPEGRADVRQAR

RDGVRKVQTILEKLEQKAIDVPGQVQVYELQPSNLEADQPLQAIMEMGAVAADKGKKNAG

NAEDPHTETQQPEATAAATSNPSSMTDTPGNPAAP

>sp|Q61337| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Mitochondrion outer membrane](https://www.uniprot.org/locations/SL-0172)

MGTPKQPSLAPAHALGLRKSDPGIRSLGSDAGGRRWRPAAQSMFQIPEFEPSEQEDASAT

DRGLGPSLTEDQPGPYLAPGLLGSNIHQQGRAATNSHHGGAGAMETRSRHSSYPAGTEED

EGMEEELSPFRGRSRSAPPNLWAAQRYGRELRRMSDEFEGSFKGLPRPKSAGTATQMRQS

AGWTRIIQSWWDRNLGKGGSTPSQ

>sp|P51572| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097),  [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909), [Endoplasmic reticulum-Golgi intermediate compartment membrane](https://www.uniprot.org/locations/SL-0099)

MSLQWTAVATFLYAEVFVVLLLCIPFISPKRWQKIFKSRLVELLVSYGNTFFVVLIVILV

LLVIDAVREIRKYDDVTEKVNLQNNPGAMEHFHMKLFRAQRNLYIAGFSLLLSFLLRRLV

TLISQQATLLASNEAFKKQAESASEAAKKYMEENDQLKKGAAVDGGKLDVGNAEVKLEEE

NRSLKADLQKLKDELASTKQKLEKAENQVLAMRKQSEGLTKEYDRLLEEHAKLQAAVDGP

MDKKEE

>sp|Q9CR48| [Photoreceptor inner segment](https://www.uniprot.org/locations/SL-0457)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)

MWWFQQGLSFLPSALVIWTFATFIFSYITAITLHHVDPALPYISDTGTIPPERCLFGVML

NIAAVLGIATMYVRYKQVHALNPEENLIIKLNKAGLVLGILSCLGLSLVANFQKSTLFIV

HVCGAVLAFSMGSFYMFVQTILSYQMQPKIHSKQVFWVRLLLVIWCGVSALSMMTCSSIL

YSSDFGPDVVQKLHWNPEDKGYVLHLVTTAAEWSMSFSFFGFFLTYIRDFQKITLRVEAN

LHGLTLYDTVPCPVNNERTPLLSRDFQ

>sp|Q8T0G4| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[cell cortex](https://www.uniprot.org/locations/SL-0138)，[Cell junction](https://www.uniprot.org/locations/SL-0038)

MNSNTDLHHSDDQDFSEFLNEYYLQSNSQSIEPEASYEDGEMEAEWLVSAGYPELTKPFE

QGLEVSKKDLEPILTTLSKPHAEAIVQLVRTLNKTVRVRTKSRPKRKPDIRDVFREFDEQ

GTVTRSRSATPDSLDSLQIDEAWTNNSLPTFVNVYEKNTETAIQCVEQSNEIYLKQNLRR

TPSAPPKSGTYADIFRGSQVRCDIPLYSADGVELLGYSRIGTIQFPRNRSVSDPFCSIGR

SKESRSENDARSQKKKSSEVLSASENECGRLLPMPYNVLSFESICRDSSSLDSCEVLDTC

DIPSTLFTDVVLISETDMKRLQTILWLELATIFDRNKVSLDKRKPFKRRRKEEGNLFGVS

INALIRRDQQVTGTDSSLVPLFLEKLIGELLRRGSREEGLLRIGGHKQKTELLYNELEST

FYQNPDNLDNLFRTATVHELSSLLKRWLRELPQPLLTNELIQLFYQCHTLPSIDQMNALS

ILCHLLPPENRNTLRSLLSFFNIIINLKDINKMNVHNVATIMAPSMFPPRYIHPSDNNSI

AEQVRMAAQCCRLTNILILRGEKLFQVPNNLIVESQKTMMGKKGWHRHRNSNEITAKPSG

KASNVGVGHDSTVINKYSTNLKHLHPFVI

>sp|P69713| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)，[Host nucleus](https://www.uniprot.org/locations/SL-0414)，[Host mitochondrion](https://www.uniprot.org/locations/SL-0407)

MAARLYCQLDPSRDVLCLRPVGAESRGRPLSGPLGTLSSPSPSAVPADHGAHLSLRGLPV

CAFSSAGPCALRFTSARCMETTVNAHQILPKVLHKRTLGLPAMSTTDLEAYFKDCVFKDW

EELGEEIRLKVFVLGGCRHKLVCAPAPCNFFTSA

>sp|O35426| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086),

MVVVAAAPSAATAAPKVLLLSGQPASGGRALPLMVPGPRAAGSEASGTPQARKRQRLTHL

SPEEKALRRKLKNRVAAQTARDRKKARMSELEQQVVDLEEENHKLQLENQLLREKTHGLV

VENQELRTRLGMDTLDPDEVPEVEAKGSGVRLVAGSAESAALRLCAPLQQVQAQLSPPQN

IFPWTLTLLPLQILSLISFWAFWTSWTLSCFSNVLPQSLLVWRNSQRSTQKDLVPYQPPF

LCQWGPHQPSWKPLMNSFVLTMYTPSL

>sp|Q69027| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)，[Host nucleus](https://www.uniprot.org/locations/SL-0414)，[Host mitochondrion](https://www.uniprot.org/locations/SL-0407)

MAARLCCQLDPARDVLCLRPVGAESRGRPVSGPFGPLPSPSSSAVPADHGAHLSLRGLPV

CAFSSAGPCALRFTSARSMETTVNAHQVLPKVLHKRTLGLSAMSTTDLEAYFKDCLFKDW

EELGEEIRLKVFVLGGCRHKLVCSPAPCNFFPSA

>sp|P17861| [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097), [Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906),  [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903), [Membrane](https://www.uniprot.org/locations/SL-0162), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MVVVAAAPNPADGTPKVLLLSGQPASAAGAPAGQALPLMVPAQRGASPEAASGGLPQARK

RQRLTHLSPEEKALRRKLKNRVAAQTARDRKKARMSELEQQVVDLEEENQKLLLENQLLR

EKTHGLVVENQELRQRLGMDALVAEEEAEAKGNEVRPVAGSAESAALRLRAPLQQVQAQL

SPLQNISPWILAVLTLQIQSLISCWAFWTTWTQSCSSNALPQSLPAWRSSQRSTQKDPVP

YQPPFLCQWGRHQPSWKPLMN

>sp|Q6PFW1| [Q6PFW1](https://www.uniprot.org/uniprot/Q6PFW1)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)

MWSLTASEGESTTAHFFLGAGDEGLGTRGIGMRPEESDSELLEDEEDEVPPEPQIIVGIC

AMTKKSKSKPMTQILERLCRFDYLTVVILGEDVILNEPVENWPSCHCLISFHSKGFPLDK

AVAYSKLRNPFLINDLAMQYYIQDRREVYRILQEEGIDLPRYAVLNRDPARPEECNLIEG

EDQVEVNGAVFPKPFVEKPVSAEDHNVYIYYPSSAGGGSQRLFRKIGSRSSVYSPESSVR

KTGSYIYEEFMPTDGTDVKVYTVGPDYAHAEARKSPALDGKVERDSEGKEIRYPVMLTAM

EKLVARKVCVAFKQTVCGFDLLRANGHSFVCDVNGFSFVKNSMKYYDDCAKILGNTIMRE

LAPQFQIPWSIPTEAEDIPIVPTTSGTMMELRCVIAIIRHGDRTPKQKMKMEVKHPRFFA

LFEKHGGYKTGKLKLKRPEQLQEVLDITRLLLAELEKEPGGEIEEKTGKLEQLKSVLEMY

GHFSGINRKVQLTYYPHGVKASNEGQDPQRETLAPSLLLVLKWGGELTPAGRVQAEELGR

AFRCMYPGGQGDYAGFPGCGLLRLHSTFRHDLKIYASDEGRVQMTAAAFAKGLLALEGEL

TPILVQMVKSANMNGLLDSDGDSLSSCQHRVKARLHHILQQDAPFGPEDYDQLAPTRSTS

LLNSMTIIQNPVKVCDQVFALIENLTHQIRERMQDPRSVDLQLYHSETLELMLQRWSKLE

RDFRQKSGRYDISKIPDIYDCVKYDVQHNGSLGLQGTAELLRLSKALADVVIPQEYGISR

EEKLEIAVGFCLPLLRKILLDLQRTHEDESVNKLHPLCYLRYSRGVLSPGRHVRTRLYFT

SESHVHSLLSVFRYGGLLDETQDAQWQRALDYLSAISELNYMTQIVIMLYEDNTQDPLSE

ERFHVELHFSPGVKGVEEEGSAPAGCGFRPASSENEEMKTNQGSMENLCPGKASDEPDRA

LQTSPQPPEGPGLPRRSPLIRNRKAGSMEVLSETSSSRPGGYRLFSSSRPPTEMKQSGLG

SQCTGLFSTTVLGGSSSAPNLQDYARSHGKKLPPASLKHRDELLFVPAVKRFSVSFAKHP

TNGFEGCSMVPTIYPLETLHNALSLRQVSEFLSRVCQRHTDAQAQASAALFDSMHSSQAS

DNPFSPPRTLHSPPLQLQQRSEKPPWYSSGPSSTVSSAGPSSPTTVDGNSQFGFSDQPSL

NSHVAEEHQGLGLLQETPGSGAQELSIEGEQELFEPNQSPQVPPMETSQPYEEVSQPCQE

VPDISQPCQDISEALSQPCQKVPDISQQCQENHDNGNHTCQEVPHISQPCQKSSQLCQKV

SEEVCQLCLENSEEVSQPCQGVSVEVGKLVHKFHVGVGSLVQETLVEVGSPAEEIPEEVI

QPYQEFSVEVGRLAQETSAINLLSQGIPEIDKPSQEFPEEIDLQAQEVPEEIN

>sp|O45797| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)

MRPAAPGTTPNGASSDIRHQRGVAPIPFGSTNSAIDAHHNSEIRVGRHRAKLDEIRESLK

AYEHEAGLLSSHVALGSLATPSSSSVSHSDITNDNAEVMNFSSSSSNAAATTTTVSSAAV

SNSNSFRTEGGGHKMRITPMPQRHLMMDTGANETVFRSGKEMIRNGNPSTTISSTPSTTT

EESIRIHPAGYRYDMPTPAYHMNNNAPQYSPGYSRPPPPAYDSSPVNTRMTPVATDNYRT

HLHMKVHPVVKAPPPNPTMLNHNKNMAPPPPPPAKSTISIETMSEERKADNIQRLYHTSM

DKKTASSVVSINVASPHTTKVNVGDSPLPSKSFIIGPRYTADVDRKNFVNYKDELRPDPR

LIPSTSDANHEDFRPILFKPRNLEITMKSRAQPPPPQYNQPSEPPPKRVSSPIDRTLLEP

YIKNTRRVQPCKPNMLRFYMEQHVERLLQQYKEREKRMKQLEKEMVSAQLPDIMRNKMLG

LLQQKESKYTRLRRQKMSKSHFTVISHIGVGAFGKVSLVRKNDTRKVYAMKSLEKADVIM

KQQAAHVKAERDILAEADSPWIVRLFFSFQDDACLYFIMEYVPGGDMMTLLIQKGIFEED

LARFYIAELACAIEYVHNVGFIHRDLKPDNILIDQHGHIKLTDFGLCTGLRWTHDRRYYG

PENDHHRVDSFSLPPEVAAIDKSVKVLNVRQQTRRITAHSLVGTGNYMAPEVIAKTGHNQ

SCDWWSTGVILYEMVFGRVPFHDDTPGGTQHRIKNWRNFLDFTYCGNLSKECLMMIQQLI

CDASSRLGSHGKDVAERTAQVKNHPWFRGIDWVNLRKLRADYIYIPRVTHDEDTSNFETF

QDNDRADKPNVRGLHNPAFYEFTYRHFFDTDSVGCPSLRPSRRRSLRPLLENGTFNESVS

EEDSSSHI

>sp|Q9NZC7| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Golgi apparatus](https://www.uniprot.org/locations/SL-0132)

MAALRYAGLDDTDSEDELPPGWEERTTKDGWVYYANHTEEKTQWEHPKTGKRKRVAGDLP

YGWEQETDENGQVFFVDHINKRTTYLDPRLAFTVDDNPTKPTTRQRYDGSTTAMEILQGR

DFTGKVVVVTGANSGIGFETAKSFALHGAHVILACRNMARASEAVSRILEEWHKAKVEAM

TLDLALLRSVQHFAEAFKAKNVPLHVLVCNAATFALPWSLTKDGLETTFQVNHLGHFYLV

QLLQDVLCRSAPARVIVVSSESHRFTDINDSLGKLDFSRLSPTKNDYWAMLAYNRSKLCN

ILFSNELHRRLSPRGVTSNAVHPGNMMYSNIHRSWWVYTLLFTLARPFTKSMQQGAATTV

YCAAVPELEGLGGMYFNNCCRCMPSPEAQSEETARTLWALSERLIQERLGSQSG

>sp|Q91WL8 [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MAALRYAGLDDTDSEDELPPGWEERTTKDGWVYYANHTEEKTQWEHPKTGKRKRVAGDLP

YGWEQETDENGQVFFVDHINKRTTYLDPRLAFTVDDNPTKPTTRQRYDGSTTAMEILQGR

DFTGKVVLVTGANSGIGFETAKSFALHGAHVILACRNLSRASEAVSRILEEWHKAKVEAM

TLDLAVLRSVQHFAEAFKAKNVSLHVLVCNAGTFALPWGLTKDGLETTFQVNHLGHFYLV

QLLQDVLCRSSPARVIVVSSESHRFTDINDSSGKLDLSRLSPPRSDYWAMLAYNRSKLCN

ILFSNELHRRLSPRGVTSNAVHPGNMMYSAIHRNSWVYKLLFTLARPFTKSMQQGAATTV

YCAVAPELEGLGGMYFNNCCRCLPSEEAQSEETARALWELSERLIQDRLGSPSS

>sp|Q5T4F4| [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)，[growth cone membrane](https://www.uniprot.org/locations/SL-0289)

MQTSEREGSGPELSPSVMPEAPLESPPFPTKSPAFDLFNLVLSYKRLEIYLEPLKDAGDG

VRYLLRWQMPLCSLLTCLGLNVLFLTLNEGAWYSVGALMISVPALLGYLQEVCRARLPDS

ELMRRKYHSVRQEDLQRGRLSRPEAVAEVKSFLIQLEAFLSRLCCTCEAAYRVLHWENPV

VSSQFYGALLGTVCMLYLLPLCWVLTLLNSTLFLGNVEFFRVVSEYRASLQQRMNPKQEE

HAFESPPPPDVGGKDGLMDSTPALTPTEDLTPGSVEEAEEAEPDEEFKDAIEETHLVVLE

DDEGAPCPAEDELALQDNGFLSKNEVLRSKVSRLTERLRKRYPTNNFGNCTGCSATFSVL

KKRRSCSNCGNSFCSRCCSFKVPKSSMGATAPEAQRETVFVCASCNQTLSK

>sp|Q6XR72| [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[trans-Golgi network](https://www.uniprot.org/locations/SL-0266)，[Recycling endosome](https://www.uniprot.org/locations/SL-0232)，[Early endosome](https://www.uniprot.org/locations/SL-0094)

MGRYSGKTCRLLFMLVLTVAFFVAELVSGYLGNSIALLSDSFNMLSDLISLCVGLSAGYI

ARRPTRGFSATYGYARAEVVGALSNAVFLTALCFTIFVEAVLRLARPERIDDPELVLIVG

VLGLLVNVVGLLIFQDCAAWFACCLRGRSRRLQQRQQLAEGCVPGAFGGPQGAEDPRRAA

DPTAPGSDSAVTLRGTSVERKREKGATVFANVAGDSFNTQNEPEDMMKKEKKSEALNIRG

VLLHVMGDALGSVVVVITAIIFYVLPLKSEDPCNWQCYIDPSLTVLMVIIILSSAFPLIK

ETAAILLQMVPKGVNMEELMSKLSAVPGISSVHEVHIWELVSGKIIATLHIKYPKDRGYQ

DASTKIREIFHHAGIHNVTIQFENVDLKEPLEQKDLLLLCNSPCISKGCAKQLCCPPGAL

PLAHVNGCAEHNGGPSLDTYGSDGLSRRDAREVAIEVSLDSCLSDHGQSLNKTQEDQCYV

NRTHF

>sp|Q06681| [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171)，[Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904)，[Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)，

MRDEATRKKRSFSDGHFFKKLKLMSRKKQPVMERSKTTRTRKESTNSAAKSSLSLRRANN

GRKTIAKRRVLTDIGSTNEGVAGNSGSNSPAQYSHTPHFSDSIPPLPLELPDIVSIRSSR

SHISNKSNKNKHGIDLTFIPRRSLQNSKAGLKKPNTSPQGYFNIPVTIDRASEKVKHTDT

KNTFNSSSSENERPVLSILQKDDSQSSSHPAIDSMSAPNNINNNNDIENSSNSLFDTILS

IAHSAISHVPKISALNTEIQREFSHSGESHTGSTRHPYFHIHHAQQQHPLSQQQGPLPVS

ENANQNPNDTVLIHSPSANTAHRSSSFLRHLDYLLSPTSGPASDKHTQVEEGDDEEELSP

LSKAFLSPSTQLVPTNTSTTPLSGSLTPNNRNVNANSNSETENDNDRDDRSNVGKVKFQP

LKVHEPAISTFGKGNLTLEAVAGSSDIDNTTIDLDENNTNNNPNASSTNLSHISKSNVNN

NLGPKELNTSYRNSTYIDMARFENSQSNLSSHRARSKTLPANKALENAVGDEGNSKRNSR

YSSYSNDMAFDDADERKFRSMSKKFLNRRSFSPSNLGNKVIPGINLRNSFNKNRNSSSDF

FSTNQGQQMPRTSTAGSGNIHAIMGLDSGNDDFKLEGIEYASEKKNSEFHTLFKDCDINP

NEKLIVDHSCALSRDILLQGRMYISDAHIGFFSNILGWVSTVFIPFKEIVQIEKKTTAGI

FPNGIVIDTLHTKYIFASFMSRDATFDLITDVWNQIILGKKYRNGFGNNDDGTISDSSSA

FFDDSDDNDDDGDLDDDDPDINSTDMTSSDDIDADVFNESNDLGKNQKSTNYLLGPNKHS

PTTADFKPSNNDHLVIEANINAPLGKVVNLLYGEDVSYYERILKAQKNFEISPIPNNFLT

KKIRDYAYTKPLSGSIGPSKTKCLITDTLEHYDLEDYVKVLSITKNPDVPSGNIFSVKTV

FLFSWDKNNSTKLTVYNSVDWTGKSWIKSMIEKGTFDGVADTTKIMISEIKKILSDEDSN

INSKHQASNNESEEEIINLPTIGPPVHDPTEPDFQKGKDDTVIDEKINIPVPLGTVFSLL

YGDDTSYIKKIIENQNNFNVCDIPKFVNNAREITYTKKLNNSFGPKQTKCIVTETIEHMD

LNSFFMVKQIVRSPDVPYGSSFSVHTRFFYSWGDHNTTNMKVVTNVVWTGKSMLKGTIEK

GSIDGQRSSTKQLVDDLKKIISNASSTKKKSRRRGKTVNKRKSSPSTIKNEKNEENFEDT

STKNSFFSAFSMLQQVNITSVQGIMTIISFFICLIFFFRLLFHSKNTSNIQIITPGTILI

NGNEYNYVPNFKTLYHVYEDNIIKDARRKDSNKNNIVTDTEGLIWDWLIDRGNGTVQNSV

LSNHIKESNNKKVKLVNGVSDHKIQQLVESIKITELQLQEMKELLAQTDNTSATNQLL

>sp|P16778| [Host endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0390), [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904), [Host Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0426), [Host mitochondrion membrane](https://www.uniprot.org/locations/SL-0410)

MSPVYVNLLGSVGLLAFWYFSYRWIQRKRLEDPLPPWLRKKKACALTRRSRHRLRRQHGV

IDGENSETERSVDLVAALLAEAGEESVTEDTEREDTEEEREDEEEENEARTPEVNPIDAE

GLSGLAREACEALKKALRRHRFLWQRRQRARMLQHNGPQQSHHAAVFCRVHGLRGFQVSV

WLLLTLLWSTGHGVSVRCTYHGTDVNRTSNTTSMNCHLNCTRNHTQIYNGPCLGTEARLP

LNVTFNQSRRKWHSVMLKFGFQYHLEGWFPLRVLNESREINVTEVHGEVACFRNDTNVTV

GQLTLNFTGHSYVLRAIAHTSPFESYVRWEETNVTDNATSSENTTTVMSTLTKYAESDYI

FLQDMCPRFLKRTVKLTRNKTKHNVTVTGNNMTTLPVWTPECKGWTYWTTLSVMWRNRRS

ALLRAKSRALGHWALLSICTVAAGSIALLSLFCILLIGLRRDLLEDFRYICRDEGSSSTK

NDVHRIV

>sp|P59637| [Host Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0426)，[Single-pass type III membrane protein](https://www.uniprot.org/locations/SL-9907)

MYSFVSEETGTLIVNSVLLFLAFVVFLLVTLAILTALRLCAYCCNIVNVSLVKPTVYVYS

RVKNLNSSEGVPDLLV

>sp|Q09349| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus membrane](https://www.uniprot.org/locations/SL-0182), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903),  [Cytoplasmic side](https://www.uniprot.org/locations/SL-9910), [nucleolus](https://www.uniprot.org/locations/SL-0188)

MIEDEKAGLQPMDISDASVFFFQADVESKDFLTSLFDCEGKSDDRMLRYADAIIDVQNLN

FDVSPQCLQSNIAEIITKFVLLSQDGSRRGLSRSFNFIDPDIIAGCREEDAIEFLLINFV

RCHHELGKSGTSNCYKKTLESTRKAVFSVFVMIQRGYLESQLRSQHASLVFTKRLLEDTV

SNVFLRTLVEYLASTDECDEDAITETFNPIFGILRSGIICQRFEDNKDEIVRQILRVMNL

LLSIRLPSNGPRPLSNLLVNREDFLPTPSEKIQGREFGLMSFLGPFFSYGLESSARRPNH

RVFVDCEEDARKYDGSVNTEQKLYFQRMDPIRTMLHQLMLPLASDQGSRNKTLRWIATII

STNDIRTRSHYDPSDVLCDHYMTNFLSVMYMFSEKIDLSKIIVDYPFLPSSLINISKETR

LKMDESGAVAFASQFADRPDEYHFSTVCFFLTIAAQRLVIPPLMNQISEYSRHLKELKHK

INALKEKLNTVSGFERAEVEKKLNYETEHWKLMSRHLLCVKTQAQDPALMASSMDFVDKQ

MKFILNLLCDNLDLLGDDSQLPTEVSQMFCALPEYFLEDALDFYIFAISNGMKLLMERNA

DWISRLTVLFTQYHYIKSPFLVSKLVRVLSSIQPPLWFNVVRLRMAQENLLMCMIKFYSD

FEDNGDFYEKFNVRGNIQYMLEKMEEDMFYKGKFMDMARECGAEFIRFVNMVINDATWCI

DESLSGLKSIHDVEKKMANKVEWDNTDQEIRNQDLGVYEEAKRKVKGWLGTAKSNLKLLL

SITVNSPEPFRTPVLGERLAAMLNHNLSQLIGSKASELKVKDPRSYGWEPREFVSLLISI

YLKLNMPAFVKYIAYDERTYSPEFFHNAIECMRKNSIVGFSQLESFEHLAEDVKKEYEAK

AELEEEYDDVPEEFKDPIMDAIMVDPVKLPSGHVMDRAVIERHLLSTPNNPFNRAPLSHN

ELSPDSELKAKIQEWICQKRNSKK

>sp|P03949| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MGHSHSTGKEINDNELFTCEDPVFDQPVASPKSEISSKLAEEIERSKSPLILEVSPRTPD

SVQMFRPTFDTFRPPNSDSSTFRGSQSREDLVACSSMNSVNNVHDMNTVSSSSSSSAPLF

VALYDFHGVGEEQLSLRKGDQVRILGYNKNNEWCEARLYSTRKNDASNQRRLGEIGWVPS

NFIAPYNSLDKYTWYHGKISRSDSEAILGSGITGSFLVRESETSIGQYTISVRHDGRVFH

YRINVDNTEKMFITQEVKFRTLGELVHHHSVHADGLICLLMYPASKKDKGRGLFSLSPNA

PDEWELDRSEIIMHNKLGGGQYGDVYEGYWKRHDCTIAVKALKEDAMPLHEFLAEAAIMK

DLHHKNLVRLLGVCTHEAPFYIITEFMCNGNLLEYLRRTDKSLLPPIILVQMASQIASGM

SYLEARHFIHRDLAARNCLVSEHNIVKIADFGLARFMKEDTYTAHAGAKFPIKWTAPEGL

AFNTFSSKSDVWAFGVLLWEIATYGMAPYPGVELSNVYGLLENGFRMDGPQGCPPSVYRL

MLQCWNWSPSDRPRFRDIHFNLENLISSNSLNDEVQKQLKKNNDKKLESDKRRSNVRERS

DSKSRHSSHHDRDRDRESLHSRNSNPEIPNRSFIRTDDSVSFFNPSTTSKVTSFRAQGPP

FPPPPQQNTKPKLLKSVLNSNARHASEEFERNEQDDVVPLAEKNVRKAVTRLGGTMPKGQ

RIDAYLDSMRRVDSWKESTDADNEGAGSSSLSRTVSNDSLDTLPLPDSMNSSTYVKMHPA

SGENVFLRQIRSKLKKRSETPELDHIDSDTADETTKSEKSPFGSLNKSSIKYPIKNAPEF

SENHSRVSPVPVPPSRNASVSVRPDSKAEDSSDETTKDVGMWGPKHAVTRKIEIVKNDSY

PNVEGELKAKIRNLRHVPKEESNTSSQEDLPLDATDNTNDSIIVIPRDEKAKVRQLVTQK

VSPLQHHRPFSLQCPNNSTSSAISHSEHADSSETSSLSGVYEERMKPELPRKRSNGDTKV

VPVTWIINGEKEPNGMARTKSLRDITSKFEQLGTASTIESKIEEAVPYREHALEKKGTSK

RFSMLEGSNELKHVVPPRKNRNQDESGSIDEEPVSKDMIVSLLKVIQKEFVNLFNLASSE

ITDEKLQQFVIMADNVQKLHSTCSVYAEQISPHSKFRFKELLSQLEIYNRQIKFSHNPRA

KPVDDKLKMAFQDCFDQIMRLVDR

>sp|Q15018| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [spindle pole](https://www.uniprot.org/locations/SL-0448), [cytoskeleton](https://www.uniprot.org/locations/SL-0090)

MAASISGYTFSAVCFHSANSNADHEGFLLGEVRQEETFSISDSQISNTEFLQVIEIHNHQ

PCSKLFSFYDYASKVNEESLDRILKDRRKKVIGWYRFRRNTQQQMSYREQVLHKQLTRIL

GVPDLVFLLFSFISTANNSTHALEYVLFRPNRRYNQRISLAIPNLGNTSQQEYKVSSVPN

TSQSYAKVIKEHGTDFFDKDGVMKDIRAIYQVYNALQEKVQAVCADVEKSERVVESCQAE

VNKLRRQITQRKNEKEQERRLQQAVLSRQMPSESLDPAFSPRMPSSGFAAEGRSTLGDAE

ASDPPPPYSDFHPNNQESTLSHSRMERSVFMPRPQAVGSSNYASTSAGLKYPGSGADLPP

PQRAAGDSGEDSDDSDYENLIDPTEPSNSEYSHSKDSRPMAHPDEDPRNTQTSQI

>sp|Q15041| [Endomembrane system](https://www.uniprot.org/locations/SL-0147), [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909), [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097),

MAEGDNRSTNLLAAETASLEEQLQGWGEVMLMADKVLRWERAWFPPAIMGVVSLVFLIIY

YLDPSVLSGVSCFVMFLCLADYLVPILAPRIFGSNKWTTEQQQRFHEICSNLVKTRRRAV

GWWKRLFTLKEEKPKMYFMTMIVSLAAVAWVGQQVHNLLLTYLIVTSLLLLPGLNQHGII

LKYIGMAKREINKLLKQKEKKNE

>sp|Q12904| [Nucleus](https://www.uniprot.org/locations/SL-0191), [cytosol](https://www.uniprot.org/locations/SL-0091), [cytosol](https://www.uniprot.org/locations/SL-0091),

MANNDAVLKRLEQKGAEADQIIEYLKQQVSLLKEKAILQATLREEKKLRVENAKLKKEIE

ELKQELIQAEIQNGVKQIPFPSGTPLHANSMVSENVIQSTAVTTVSSGTKEQIKGGTGDE

KKAKEKIEKKGEKKEKKQQSIAGSADSKPIDVSRLDLRIGCIITARKHPDADSLYVEEVD

VGEIAPRTVVSGLVNHVPLEQMQNRMVILLCNLKPAKMRGVLSQAMVMCASSPEKIEILA

PPNGSVPGDRITFDAFPGEPDKELNPKKKIWEQIQPDLHTNDECVATYKGVPFEVKGKGV

CRAQTMSNSGIK

>sp|Q60823| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), Early endosome

MNEVSVIKEGWLHKRGEYIKTWRPRYFLLKSDGSFIGYKERPEAPDQTLPPLNNFSVAEC

QLMKTERPRPNTFVIRCLQWTTVIERTFHVDSPDEREEWMRAIQMVANSLKQRGPGEDAM

DYKCGSPSDSSTSEMMEVAVNKARAKVTMNDFDYLKLLGKGTFGKVILVREKATGRYYAM

KILRKEVIIAKDEVAHTVTESRVLQNTRHPFLTALKYAFQTHDRLCFVMEYANGGELFFH

LSRERVFTEDRARFYGAEIVSALEYLHSRDVVYRDIKLENLMLDKDGHIKITDFGLCKEG

ISDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFYNQDHERLFE

LILMEEIRFPRTLGPEAKSLLAGLLKKDPKQRLGGGPSDAKEVMEHRFFLSINWQDVVQK

KLLPPFKPQVTSEVDTRYFDDEFTAQSITITPPDRYDSLDPLELDQRTHFPQFSYSASIR

E

>sp|Q8R010| [cytosol](https://www.uniprot.org/locations/SL-0091)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MPMYQVKPYHGGSAPLHVELPTCMYRLPNVHSKTTSPATDAGHVQETSEPSLQALESRQD

DILKRLYELKAAVDGLSKMIHTPDADLDVTNILQADEPTTLATNTLDLNSVLGKDYGALK

DIVINANPASPPLSLLVLHRLLCERYRVLSTVHTHSSVKNVPENLVKCFGEQARKQSRHE

YQLGFTLIWKNVPKTQMKFSVQTMCPIEGEGNIARFLFSLFGQKHNAVTLTLIDSWVDIA

MFQLREGSSKEKAAVFRSMNSALGRSPWLVGNELTVADVVLWSVLQQTGGSSGAAPTNVQ

RWLKSCENLAPFSTALQLLK

>sp|P10275| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREVIQNPGPRHPEAASAAPPGASLLLLQQQ

QQQQQQQQQQQQQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQPQ

SALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSCSAD

LKDILSEASTMQLLQQQQQEAVSEGSSSGRAREASGAPTSSKDNYLGGTSTISDNAKELC

KAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCAPLAECKGSLLDDSAG

KSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPSTLSLYKSGALDEAAAYQ

SRDYYNFPLALAGPPPPPPPPHPHARIKLENPLDYGSAWAAAAAQCRYGDLASLHGAGAA

GPGSGSPSAAASSSWHTLFTAEEGQLYGPCGGGGGGGGGGGGGGGGGGGGGGGEAGAVAP

YGYTRPPQGLAGQESDFTAPDVWYPGGMVSRVPYPSPTCVKSEMGPWMDSYSGPYGDMRL

ETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTCGSCKVFFKRAAEGKQKYLCASRN

DCTIDKFRRKNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQEEGEASSTTSPTEETTQKL

TVSHIEGYECQPIFLNVLEAIEPGVVCAGHDNNQPDSFAALLSSLNELGERQLVHVVKWA

KALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRSFTNVNSRMLYFAPDLVFNEYRMHKSR

MYSQCVRMRHLSQEFGWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELD

RIIACKRKNPTSCSRRFYQLTKLLDSVQPIARELHQFTFDLLIKSHMVSVDFPEMMAEII

SVQVPKILSGKVKPIYFHTQ

>sp|G5EGA3| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)，[Midbody](https://www.uniprot.org/locations/SL-0469)，[spindle](https://www.uniprot.org/locations/SL-0251)

MPPNGAITTTPRSRMPPTTPSSGKSRPKKETLHYLAASSSTTSVDAARTLLERGANVNAI

DRDGATPLHYACTHDNVAMAQLLLTFGADPMSADKLGRTAYSIAKGNTLRFLRRYKKSSN

RQRLGFFRRFFACHSRNETFFIVRNNQEVAPLRPTALAEAASISFNRGNVLTNSYRCAKK

KIRATFHAIRRSRSNSTATLQDVVLTSEGIRTVTTPSRRAPKATVYAKRSMSVSDLLLIP

DRRDIKNEDVKTRGSPVKKTRGTGRSRTPEAILNPRKQRTPVNHHKRSKSQETKLVAMPS

PNSMAYYNTSRARNAGLRPAPSAPPLSPEPAIAAVKTPKTPTTPKTSKGRSKSPANTTAY

FTADESLELLGNNMEKLNIESKSAKSSKLKTPSKPTTSSSTSFSSAEDDKEAEVSTPTTV

DDGEIRKIRRLREGELKSELKKFGISPAGPLDARTRRLYEKKLLIERRKITNRGYSPDAD

VVSCRNSPQLELVLRNGFLPADFASRARKCDENVRSEFSGNGFGYNAFCYLIMDPRILGS

NVENLTLETFVRSIFYVGKGSKNRPLAHFIDARNERRDKLDKLKTCEKLKTIDELWTLGF

GIPRHEISHGVSDEEAFVREASIIEAVKLKNLRNKKAGEFHGTTKSWDNITKSEYGTFLL

DRALSTLKLEGIRLITEDNLPDSLYPYVNNRRGAGGGRTPKTPK

>sp|Q5AJU7| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MTDIKRNFSDIASPANLDDTKKLHVDSTATTKVGRKPIDTEPKSKRTAQNRAAQRAYRER

KERKMKELEDKVRLLEDANVRALTETDFLRAQVDVLKNELAKYTGGSDFSDLNLPTKVGH

LSHPNNHHSNVSTGTPHGSMSSSNSVASLDNDKPSSASSVSNNSPGFAFDNPWSKDNIQK

LKHQHQQQQQKVPQGVPDLVSGSSSSSTPLNDNLLVTPESLTGLSTSSKYTGQNNVPTNL

DFTNQFDEQVDPFCVKLNEACGTKSNPVPKFKRSGSKANTSVTNNSPLAHLVSPESQQYT

NSSNIDFMNDPFFNGVGTDYNFNFDSKNGSIQDPLSFLQDDNFDLALAFGDPSPTGNEAE

ADPISLLTTEESIYDPLTNNSDKLCSTVKADDVNTDFNFNDFVKNSLPEKQEKGKYEPPS

TSKTTNNNEEEDKDEVVPAPPQTLKCSEIWDRITSHPKYTELDIDGLCNELKSKAKCSEK

GVVINTADVNQLLERSIKH

>sp|P31230| [Secreted](https://www.uniprot.org/locations/SL-0243), [Endoplasmic reticulum](https://www.uniprot.org/locations/SL-0095), [Golgi apparatus](https://www.uniprot.org/locations/SL-0132)

MATNDAVLKRLEQKGAEADQIIEYLKQQVALLKEKAILQATMREEKKLRVENAKLKKEIE

ELKQELILAEIHNGVEQVRVRLSTPLQTNCTASESVVQSPSVATTASPATKEQIKAGEEK

KVKEKTEKKGEKKEKQQSAAASTDSKPIDASRLDLRIGCIVTAKKHPDADSLYVEEVDVG

EAAPRTVVSGLVNHVPLEQMQNRMVVLLCNLKPAKMRGVLSQAMVMCASSPEKVEILAPP

NGSVPGDRITFDAFPGEPDKELNPKKKIWEQIQPDLHTNAECVATYKGAPFEVKGKGVCR

AQTMANSGIK

>sp|Q96BT7| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MDSNHQSNYKLSKTEKKFLRKQIKAKHTLLRHEGIETVSYATQSLVVANGGLGNGVSRNQ

LLPVLEKCGLVDALLMPPNKPYSFARYRTTEESKRAYVTLNGKEVVDDLGQKITLYLNFV

EKVQWKELRPQALPPGLMVVEEIISSEEEKMLLESVDWTEDTDNQNSQKSLKHRRVKHFG

YEFHYENNNVDKDKPLSGGLPDICESFLEKWLRKGYIKHKPDQMTINQYEPGQGIPAHID

THSAFEDEIVSLSLGSEIVMDFKHPDGIAVPVMLPRRSLLVMTGESRYLWTHGITCRKFD

TVQASESLKSGIITSDVGDLTLSKRGLRTSFTFRKVRQTPCNCSYPLVCDSQRKETPPSF

PESDKEASRLEQEYVHQVYEEIAGHFSSTRHTPWPHIVEFLKALPSGSIVADIGCGNGKY

LGINKELYMIGCDRSQNLVDICRERQFQAFVCDALAVPVRSGSCDACISIAVIHHFATAE

RRVAALQEIVRLLRPGGKALIYVWAMEQEYNKQKSKYLRGNRNSQGKKEEMNSDTSVQRS

LVEQMRDMGSRDSASSVPRINDSQEGGCNSRQVSNSKLPVHVNRTSFYSQDVLVPWHLKG

NPDKGKPVEPFGPIGSQDPSPVFHRYYHVFREGELEGACRTVSDVRILQSYYDQGNWCVI

LQKA

>sp|P62258| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Melanosome](https://www.uniprot.org/locations/SL-0161)

MDDREDLVYQAKLAEQAERYDEMVESMKKVAGMDVELTVEERNLLSVAYKNVIGARRASW

RIISSIEQKEENKGGEDKLKMIREYRQMVETELKLICCDILDVLDKHLIPAANTGESKVF

YYKMKGDYHRYLAEFATGNDRKEAAENSLVAYKAASDIAMTELPPTHPIRLGLALNFSVF

YYEILNSPDRACRLAKAAFDDAIAELDTLSEESYKDSTLIMQLLRDNLTLWTSDMQGDGE

EQNKEALQDVEDENQ

>sp|P46549| [cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[cell cortex](https://www.uniprot.org/locations/SL-0138)

MAPAVLQKPGVIKDPSIAALFSNKDPEQRYQDLREIGHGSFGAVYFAYDKKNEQTVAIKK

MNFSGKQAVEKWNDILKEVSFLNTVVHPHIVDYKACFLKDTTCWLVMEYCIGSAADIVDV

LRKGMREVEIAAICSQTLDALRYLHSLKRIHRDIKAGNILLSDHAIVKLADFGSASLVDP

AQTFIGTPFFMAPEVILAMDEGHYTDRADIWSLGITCIELAERRPPLFSMNAMSALYHIA

QNDPPTLSPIDTSEQPEWSLEFVQFIDKCLRKPAEERMSAEECFRHPFIQRSRPSDTIQE

LIQRTKNMVLELDNFQYKKMRKLMYLDETEGKEGSEGNGASDDLDFHGNEANSIGRAGDS

ASSRSASLTSFRSMQSSGGAGLLVSTNTTGAMDNVHGSSGYGNGSSSTTSSARRRPPIPS

QMLSSTSTSGVGTMPSHGSVGASITAIAVNPTPSPSEPIPTSQPTSKSESSSILETAHDD

PLDTSIRAPVKDLHMPHRAVKERIATLQNHKFATLRSQRIINQEQEEYTKENNMYEQMSK

YKHLRQAHHKELQQFEERCALDREQLRVKMDRELEQLTTTYSKEKMRVRCSQNNELDKRK

KDIEDGEKKMKKTKNSQNQQQMKLYSAQQLKEYKYNKEAQKTRLRSLNMPRSTYENAMKE

VKADLNRVKDARENDFDEKLRAELEDEIVRYRRQQLSNLHQLEEQLDDEDVNVQERQMDT

RHGLLSKQHEMTRDLEIQHLNELHAMKKRHLETQHEAESASQNEYTQRQQDELRKKHAMQ

SRQQPRDLKIQEAQIRKQYRQVVKTQTRQFKLYLTQMVQVVPKDEQKELTSRLKQDQMQK

VALLASQYESQIKKMVQDKTVKLESWQEDEQRVLSEKLEKELEELIAYQKKTRATLEEQI

KKERTALEERIGTRRAMLEQKIIEEREQMGEMRRLKKEQIRDRHSQERHRLENHFVRTGS

TSRSSGGIAPGVGNSSSIQMAM

>sp|Q9UM82| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MGKPSSMDTKFKDDLFRKYVQFHESKVDTTTSRQRPGSDECLRVAASTLLSLHKVDPFYR

FRLIQFYEVVESSLRSLSSSSLRALHGAFSMLETVGINLFLYPWKKEFRSIKTYTGPFVY

YVKSTLLEEDIRAILSCMGYTPELGTAYKLRELVETLQVKMVSFELFLAKVECEQMLEIH

SQVKDKGYSELDIVSERKSSAEDVRGCSDALRRRAEGREHLTASMSRVALQKSASERAAK

DYYKPRVTKPSRSVDAYDSYWESRKPPLKASLSLRKEPVATDVGDDLKDEIIRPSPSLLT

MASSPHGSPDVLPPASPSNGPALLRGTYFSTQDDVDLYTDSEPRATYRRQDALRPDVWLL

RNDAHSLYHKRSPPAKESALSKCQSCGLSCSSSLCQRCDSLLTCPPASKPSAFPSKASTH

DSLAHGASLREKYPGQTQGLDRLPHLHSKSKPSTTPTSRCGFCNRPGATNTCTQCSKVSC

DACLSAYHYDPCYKKSELHKFMPNNQLNYKSTQLSHLVYR

>sp|Q6EZC2| [Secreted](https://www.uniprot.org/locations/SL-0243), [host cytosol](https://www.uniprot.org/locations/SL-0384), [Host endoplasmic reticulum lumen](https://www.uniprot.org/locations/SL-0389)

MLKILWTYILFLLFISASARAEKPWYFDAIGLTETTMSLTDKNTPVVVSVVDSGVAFIGG

LSDSEFAKFSFTQDGSPFPVKKSEALYIHGTAMASLIASRYGIYGVYPHALISSRRVIPD

GVQDSWIRAIESIMSNVFLAPGEEKIINISGGQKGVASASVWTELLSRMGRNNDRLIVAA

VGNDGADIRKLSAQQRIWPAAYHPVSSVNKKQDPVIRVAALAQYRKGETPVLHGGGITGS

RFGNNWVDIAAPGQNITFLRPDAKTGTGSGTSEATAIVSGVLAAMTSCNPRATATELKRT

LLESADKYPSLVDKVTEGRVLNAEKAISMFCKKNYIPVRQGRMSEEL

>sp|Q80UF7| [cytosol](https://www.uniprot.org/locations/SL-0091), [Mitochondrion](https://www.uniprot.org/locations/SL-0173)

MDNPGPSLRGAFGILGALERDRLTHLKHKLGSLCSGSQESKLLHAMVLLALGQDTEARVS

LESLKMNTVAQLVAHQWADMETTEGPEEPPDLSWTVARLYHLLAEENLCPASTRDMAYQV

ALRDFASQGDHQLGQLQNEAWDRCSSDIKGDPSGFQPLHSHQGSLQPPSASPAVTRSQPR

PIDTPDWSWGHTLHSTNSTASLASHLEISQSPTLAFLSSHHGTHGPSKLCNTPLDTQEPQ

LVPEGCQEPEEISWPPSVETSVSLGLPHEISVPEVSPEEASPILPDALAAPDTSVHCPIE

CTELSTNSRSPLTSTTESVGKQWPITSQRSPQVPVGDDSLQNTTSSSPPAQPPSLQASPK

LPPSPLSSASSPSSYPAPPTSTSPVLDHSETSDQKFYNFVVIHARADEQVALRIREKLET

LGVPDGATFCEEFQVPGRGELHCLQDAIDHSGFTILLLTASFDCSLSLHQINHALMNSLT

QSGRQDCVIPLLPLECSQAQLSPDTTRLLHSIVWLDEHSPIFARKVANTFKTQKLQAQRV

RWKKAQEARTLKEQSIQLEAERQNVAAISAAYTAYVHSYRAWQAEMNKLGVAFGKNLSLG

TPTPSWPGCPQPIPSHPQGGTPVFPYSPQPPSFPQPPCFPQPPSFPQPPSFPLPPVSSPQ

SQSFPSASSPAPQTPGPQPLIIHHAQMVQLGVNNHMWGHTGAQSSDDKTECSENPCMGPL

TDQGEPLLETPE

>sp|Q9UM00| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Golgi apparatus membrane](https://www.uniprot.org/locations/SL-0134)

MSTMFADTLLIVFISVCTALLAEGITWVLVYRTDKYKRLKAEVEKQSKKLEKKKETITES

AGRQQKKKIERQEEKLKNNNRDLSMVRMKSMFAIGFCFTALMGMFNSIFDGRVVAKLPFT

PLSYIQGLSHRNLLGDDTTDCSFIFLYILCTMSIRQNIQKILGLAPSRAATKQAGGFLGP

PPPSGKFS

>sp|Q07352| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Cytoplasmic granule](https://www.uniprot.org/locations/SL-0281)，[P-body](https://www.uniprot.org/locations/SL-0230)

MTTTLVSATIFDLSEVLCKGNKMLNYSAPSAGGCLLDRKAVGTPAGGGFPRRHSVTLPSS

KFHQNQLLSSLKGEPAPALSSRDSRFRDRSFSEGGERLLPTQKQPGGGQVNSSRYKTELC

RPFEENGACKYGDKCQFAHGIHELRSLTRHPKYKTELCRTFHTIGFCPYGPRCHFIHNAE

ERRALAGARDLSADRPRLQHSFSFAGFPSAAATAAATGLLDSPTSITPPPILSADDLLGS

PTLPDGTNNPFAFSSQELASLFAPSMGLPGGGSPTTFLFRPMSESPHMFDSPPSPQDSLS

DQEGYLSSSSSSHSGSDSPTLDNSRRLPIFSRLSISDD

>sp|P31483| [Stress granule](https://www.uniprot.org/locations/SL-0496)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MEDEMPKTLYVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHRHAA

AALAAMNGRKIMGKEVKVNWATTPSSQKKDTSSSTVVSTQRSQDHFHVFVGDLSPEITTE

DIKAAFAPFGRISDARVVKDMATGKSKGYGFVSFFNKWDAENAIQQMGGQWLGGRQIRTN

WATRKPPAPKSTYESNTKQLSYDEVVNQSSPSNCTVYCGGVTSGLTEQLMRQTFSPFGQI

MEIRVFPDKGYSFVRFNSHESAAHAIVSVNGTTIEGHVVKCYWGKETLDMINPVQQQNQI

GYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQAWNQQGFNQTQSSAPWMGPNYGV

QPPQGQNGSMLPNQPSGYRVAGYETQ

>sp|Q13315| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasmic vesicle](https://www.uniprot.org/locations/SL-0088)

MSLVLNDLLICCRQLEHDRATERKKEVEKFKRLIRDPETIKHLDRHSDSKQGKYLNWDAV

FRFLQKYIQKETECLRIAKPNVSASTQASRQKKMQEISSLVKYFIKCANRRAPRLKCQEL

LNYIMDTVKDSSNGAIYGADCSNILLKDILSVRKYWCEISQQQWLELFSVYFRLYLKPSQ

DVHRVLVARIIHAVTKGCCSQTDGLNSKFLDFFSKAIQCARQEKSSSGLNHILAALTIFL

KTLAVNFRIRVCELGDEILPTLLYIWTQHRLNDSLKEVIIELFQLQIYIHHPKGAKTQEK

GAYESTKWRSILYNLYDLLVNEISHIGSRGKYSSGFRNIAVKENLIELMADICHQVFNED

TRSLEISQSYTTTQRESSDYSVPCKRKKIELGWEVIKDHLQKSQNDFDLVPWLQIATQLI

SKYPASLPNCELSPLLMILSQLLPQQRHGERTPYVLRCLTEVALCQDKRSNLESSQKSDL

LKLWNKIWCITFRGISSEQIQAENFGLLGAIIQGSLVEVDREFWKLFTGSACRPSCPAVC

CLTLALTTSIVPGTVKMGIEQNMCEVNRSFSLKESIMKWLLFYQLEGDLENSTEVPPILH

SNFPHLVLEKILVSLTMKNCKAAMNFFQSVPECEHHQKDKEELSFSEVEELFLQTTFDKM

DFLTIVRECGIEKHQSSIGFSVHQNLKESLDRCLLGLSEQLLNNYSSEITNSETLVRCSR

LLVGVLGCYCYMGVIAEEEAYKSELFQKAKSLMQCAGESITLFKNKTNEEFRIGSLRNMM

QLCTRCLSNCTKKSPNKIASGFFLRLLTSKLMNDIADICKSLASFIKKPFDRGEVESMED

DTNGNLMEVEDQSSMNLFNDYPDSSVSDANEPGESQSTIGAINPLAEEYLSKQDLLFLDM

LKFLCLCVTTAQTNTVSFRAADIRRKLLMLIDSSTLEPTKSLHLHMYLMLLKELPGEEYP

LPMEDVLELLKPLSNVCSLYRRDQDVCKTILNHVLHVVKNLGQSNMDSENTRDAQGQFLT

VIGAFWHLTKERKYIFSVRMALVNCLKTLLEADPYSKWAILNVMGKDFPVNEVFTQFLAD

NHHQVRMLAAESINRLFQDTKGDSSRLLKALPLKLQQTAFENAYLKAQEGMREMSHSAEN

PETLDEIYNRKSVLLTLIAVVLSCSPICEKQALFALCKSVKENGLEPHLVKKVLEKVSET

FGYRRLEDFMASHLDYLVLEWLNLQDTEYNLSSFPFILLNYTNIEDFYRSCYKVLIPHLV

IRSHFDEVKSIANQIQEDWKSLLTDCFPKILVNILPYFAYEGTRDSGMAQQRETATKVYD

MLKSENLLGKQIDHLFISNLPEIVVELLMTLHEPANSSASQSTDLCDFSGDLDPAPNPPH

FPSHVIKATFAYISNCHKTKLKSILEILSKSPDSYQKILLAICEQAAETNNVYKKHRILK

IYHLFVSLLLKDIKSGLGGAWAFVLRDVIYTLIHYINQRPSCIMDVSLRSFSLCCDLLSQ

VCQTAVTYCKDALENHLHVIVGTLIPLVYEQVEVQKQVLDLLKYLVIDNKDNENLYITIK

LLDPFPDHVVFKDLRITQQKIKYSRGPFSLLEEINHFLSVSVYDALPLTRLEGLKDLRRQ

LELHKDQMVDIMRASQDNPQDGIMVKLVVNLLQLSKMAINHTGEKEVLEAVGSCLGEVGP

IDFSTIAIQHSKDASYTKALKLFEDKELQWTFIMLTYLNNTLVEDCVKVRSAAVTCLKNI

LATKTGHSFWEIYKMTTDPMLAYLQPFRTSRKKFLEVPRFDKENPFEGLDDINLWIPLSE

NHDIWIKTLTCAFLDSGGTKCEILQLLKPMCEVKTDFCQTVLPYLIHDILLQDTNESWRN

LLSTHVQGFFTSCLRHFSQTSRSTTPANLDSESEHFFRCCLDKKSQRTMLAVVDYMRRQK

RPSSGTIFNDAFWLDLNYLEVAKVAQSCAAHFTALLYAEIYADKKSMDDQEKRSLAFEEG

SQSTTISSLSEKSKEETGISLQDLLLEIYRSIGEPDSLYGCGGGKMLQPITRLRTYEHEA

MWGKALVTYDLETAIPSSTRQAGIIQALQNLGLCHILSVYLKGLDYENKDWCPELEELHY

QAAWRNMQWDHCTSVSKEVEGTSYHESLYNALQSLRDREFSTFYESLKYARVKEVEEMCK

RSLESVYSLYPTLSRLQAIGELESIGELFSRSVTHRQLSEVYIKWQKHSQLLKDSDFSFQ

EPIMALRTVILEILMEKEMDNSQRECIKDILTKHLVELSILARTFKNTQLPERAIFQIKQ

YNSVSCGVSEWQLEEAQVFWAKKEQSLALSILKQMIKKLDASCAANNPSLKLTYTECLRV

CGNWLAETCLENPAVIMQTYLEKAVEVAGNYDGESSDELRNGKMKAFLSLARFSDTQYQR

IENYMKSSEFENKQALLKRAKEEVGLLREHKIQTNRYTVKVQRELELDELALRALKEDRK

RFLCKAVENYINCLLSGEEHDMWVFRLCSLWLENSGVSEVNGMMKRDGMKIPTYKFLPLM

YQLAARMGTKMMGGLGFHEVLNNLISRISMDHPHHTLFIILALANANRDEFLTKPEVARR

SRITKNVPKQSSQLDEDRTEAANRIICTIRSRRPQMVRSVEALCDAYIILANLDATQWKT

QRKGINIPADQPITKLKNLEDVVVPTMEIKVDHTGEYGNLVTIQSFKAEFRLAGGVNLPK

IIDCVGSDGKERRQLVKGRDDLRQDAVMQQVFQMCNTLLQRNTETRKRKLTICTYKVVPL

SQRSGVLEWCTGTVPIGEFLVNNEDGAHKRYRPNDFSAFQCQKKMMEVQKKSFEEKYEVF

MDVCQNFQPVFRYFCMEKFLDPAIWFEKRLAYTRSVATSSIVGYILGLGDRHVQNILINE

QSAELVHIDLGVAFEQGKILPTPETVPFRLTRDIVDGMGITGVEGVFRRCCEKTMEVMRN

SQETLLTIVEVLLYDPLFDWTMNPLKALYLQQRPEDETELHPTLNADDQECKRNLSDIDQ

SFNKVAERVLMRLQEKLKGVEEGTVLSVGGQVNLLIQQAIDPKNLSRLFPGWKAWV

>sp|Q86TL0| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Mitochondrion matrix](https://www.uniprot.org/locations/SL-0170)

MNSVSPAAAQYRSSSPEDARRRPEARRPRGPRGPDPNGLGPSGASGPALGSPGAGPSEPD

EVDKFKAKFLTAWNNVKYGWVVKSRTSFSKISSIHLCGRRYRFEGEGDIQRFQRDFVSRL

WLTYRRDFPPLPGGCLTSDCGWGCMLRSGQMMLAQGLLLHFLPRDWTWAEGMGLGPPELS

GSASPSRYHGPARWMPPRWAQGAPELEQERRHRQIVSWFADHPRAPFGLHRLVELGQSSG

KKAGDWYGPSLVAHILRKAVESCSDVTRLVVYVSQDCTVYKADVARLVARPDPTAEWKSV

VILVPVRLGGETLNPVYVPCVKELLRCELCLGIMGGKPRHSLYFIGYQDDFLLYLDPHYC

QPTVDVSQADFPLESFHCTSPRKMAFAKMDPSCTVGFYAGDRKEFETLCSELTRVLSSSS

ATERYPMFTLAEGHAQDHSLDDLCSQLAQPTLRLPRTGRLLRAKRPSSEDFVFL

>sp|P18848| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[centrosome](https://www.uniprot.org/locations/SL-0048)

MTEMSFLSSEVLVGDLMSPFDQSGLGAEESLGLLDDYLEVAKHFKPHGFSSDKAKAGSSE

WLAVDGLVSPSNNSKEDAFSGTDWMLEKMDLKEFDLDALLGIDDLETMPDDLLTTLDDTC

DLFAPLVQETNKQPPQTVNPIGHLPESLTKPDQVAPFTFLQPLPLSPGVLSSTPDHSFSL

ELGSEVDITEGDRKPDYTAYVAMIPQCIKEEDTPSDNDSGICMSPESYLGSPQHSPSTRG

SPNRSLPSPGVLCGSARPKPYDPPGEKMVAAKVKGEKLDKKLKKMEQNKTAATRYRQKKR

AEQEALTGECKELEKKNEALKERADSLAKEIQYLKDLIEEVRKARGKKRVP

>sp|Q8K3X6| [microvillus](https://www.uniprot.org/locations/SL-0293)

MSTRYHQAASDSYLELLKEATKRDLNLSDEDGMTPTLLAAYHGNLEALEIICSRGGDPDK

CDIWGNTPLHYAASNGHTHCISFLVNFGANIFALDNDLKSPLDAAASREQKECVALLDKA

ATVQNTMNPKRVTRLKEQALKNARKQMKECERLQERHQNKMARTYSKEDSGTISSSHSTL

SRSFLSTTSAGRFGSLSKGIKDTFKIKSKKNKDTTEQLEKDGRSGQRPVMEVFREEEEDS

FPKDFKEKLHFSVEEDDDVQHESILNRPGLGSIVFSRNRVLDFEDISDSKRELGFKMPSE

LFQRQGAAGTVEEEEEEEEEEEEEKREANGTAGDLPWDEEEVEWEEDAVDATPLEVFLQS

QHLEEFLPIFMREQIDLEALLLCSDEDLQNIHMQLGPRKKVLSAIDKRKQVLQQPGQLVD

TSL

>sp|Q8BXL7| [Golgi apparatus](https://www.uniprot.org/locations/SL-0132)，[trans-Golgi network](https://www.uniprot.org/locations/SL-0266)

MYTLLSGLYKYMFQKDEYCILILGLDNAGKTTFLEQSKTRFNKNYKGMSLSKITTTVGLN

IGTVDVGKARLMFWDLGGQEELQSLWDKYYAECHGVIYVIDSTDEERLSESKEAFEKVVS

SEALDGVPILVLANKQDVETCLSIPDIKTAFSDCTCKIGRRDCLTQACSALTGKGVREGI

EWMVKCVVRNVHRPPRQRDIT

>sp|Q9CQ70| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MARKRQRRRRRKVTRSQRAELQFPVSRVDRFLREGNYSRRLSSSAPVFLAGVLEYLTSNI

LELAGEVAHTTGRKRIAPEHVCRVVQNNEQLHQLFKQGGTSVFEPPEPDDN

>sp|Q96CS2| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[centrosome](https://www.uniprot.org/locations/SL-0048)，[spindle](https://www.uniprot.org/locations/SL-0251)，[spindle pole](https://www.uniprot.org/locations/SL-0448)

MEPQEERETQVAAWLKKIFGDHPIPQYEVNPRTTEILHHLSERNRVRDRDVYLVIEDLKQ

KASEYESEAKYLQDLLMESVNFSPANLSSTGSRYLNALVDSAVALETKDTSLASFIPAVN

DLTSDLFRTKSKSEEIKIELEKLEKNLTATLVLEKCLQEDVKKAELHLSTERAKVDNRRQ

NMDFLKAKSEEFRFGIKAAEEQLSARGMDASLSHQSLVALSEKLARLKQQTIPLKKKLES

YLDLMPNPSLAQVKIEEAKRELDSIEAELTRRVDMMEL

>sp|P42858| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MATLEKLMKAFESLKSFQQQQQQQQQQQQQQQQQQQQQPPPPPPPPPPPQLPQPPPQAQP

LLPQPQPPPPPPPPPPGPAVAEEPLHRPKKELSATKKDRVNHCLTICENIVAQSVRNSPE

FQKLLGIAMELFLLCSDDAESDVRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGAP

RSLRAALWRFAELAHLVRPQKCRPYLVNLLPCLTRTSKRPEESVQETLAAAVPKIMASFG

NFANDNEIKVLLKAFIANLKSSSPTIRRTAAGSAVSICQHSRRTQYFYSWLLNVLLGLLV

PVEDEHSTLLILGVLLTLRYLVPLLQQQVKDTSLKGSFGVTRKEMEVSPSAEQLVQVYEL

TLHHTQHQDHNVVTGALELLQQLFRTPPPELLQTLTAVGGIGQLTAAKEESGGRSRSGSI

VELIAGGGSSCSPVLSRKQKGKVLLGEEEALEDDSESRSDVSSSALTASVKDEISGELAA

SSGVSTPGSAGHDIITEQPRSQHTLQADSVDLASCDLTSSATDGDEEDILSHSSSQVSAV

PSDPAMDLNDGTQASSPISDSSQTTTEGPDSAVTPSDSSEIVLDGTDNQYLGLQIGQPQD

EDEEATGILPDEASEAFRNSSMALQQAHLLKNMSHCRQPSDSSVDKFVLRDEATEPGDQE

NKPCRIKGDIGQSTDDDSAPLVHCVRLLSASFLLTGGKNVLVPDRDVRVSVKALALSCVG

AAVALHPESFFSKLYKVPLDTTEYPEEQYVSDILNYIDHGDPQVRGATAILCGTLICSIL

SRSRFHVGDWMGTIRTLTGNTFSLADCIPLLRKTLKDESSVTCKLACTAVRNCVMSLCSS

SYSELGLQLIIDVLTLRNSSYWLVRTELLETLAEIDFRLVSFLEAKAENLHRGAHHYTGL

LKLQERVLNNVVIHLLGDEDPRVRHVAAASLIRLVPKLFYKCDQGQADPVVAVARDQSSV

YLKLLMHETQPPSHFSVSTITRIYRGYNLLPSITDVTMENNLSRVIAAVSHELITSTTRA

LTFGCCEALCLLSTAFPVCIWSLGWHCGVPPLSASDESRKSCTVGMATMILTLLSSAWFP

LDLSAHQDALILAGNLLAASAPKSLRSSWASEEEANPAATKQEEVWPALGDRALVPMVEQ

LFSHLLKVINICAHVLDDVAPGPAIKAALPSLTNPPSLSPIRRKGKEKEPGEQASVPLSP

KKGSEASAASRQSDTSGPVTTSKSSSLGSFYHLPSYLKLHDVLKATHANYKVTLDLQNST

EKFGGFLRSALDVLSQILELATLQDIGKCVEEILGYLKSCFSREPMMATVCVQQLLKTLF

GTNLASQFDGLSSNPSKSQGRAQRLGSSSVRPGLYHYCFMAPYTHFTQALADASLRNMVQ

AEQENDTSGWFDVLQKVSTQLKTNLTSVTKNRADKNAIHNHIRLFEPLVIKALKQYTTTT

CVQLQKQVLDLLAQLVQLRVNYCLLDSDQVFIGFVLKQFEYIEVGQFRESEAIIPNIFFF

LVLLSYERYHSKQIIGIPKIIQLCDGIMASGRKAVTHAIPALQPIVHDLFVLRGTNKADA

GKELETQKEVVVSMLLRLIQYHQVLEMFILVLQQCHKENEDKWKRLSRQIADIILPMLAK

QQMHIDSHEALGVLNTLFEILAPSSLRPVDMLLRSMFVTPNTMASVSTVQLWISGILAIL

RVLISQSTEDIVLSRIQELSFSPYLISCTVINRLRDGDSTSTLEEHSEGKQIKNLPEETF

SRFLLQLVGILLEDIVTKQLKVEMSEQQHTFYCQELGTLLMCLIHIFKSGMFRRITAAAT

RLFRSDGCGGSFYTLDSLNLRARSMITTHPALVLLWCQILLLVNHTDYRWWAEVQQTPKR

HSLSSTKLLSPQMSGEEEDSDLAAKLGMCNREIVRRGALILFCDYVCQNLHDSEHLTWLI

VNHIQDLISLSHEPPVQDFISAVHRNSAASGLFIQAIQSRCENLSTPTMLKKTLQCLEGI

HLSQSGAVLTLYVDRLLCTPFRVLARMVDILACRRVEMLLAANLQSSMAQLPMEELNRIQ

EYLQSSGLAQRHQRLYSLLDRFRLSTMQDSLSPSPPVSSHPLDGDGHVSLETVSPDKDWY

VHLVKSQCWTRSDSALLEGAELVNRIPAEDMNAFMMNSEFNLSLLAPCLSLGMSEISGGQ

KSALFEAAREVTLARVSGTVQQLPAVHHVFQPELPAEPAAYWSKLNDLFGDAALYQSLPT

LARALAQYLVVVSKLPSHLHLPPEKEKDIVKFVVATLEALSWHLIHEQIPLSLDLQAGLD

CCCLALQLPGLWSVVSSTEFVTHACSLIYCVHFILEAVAVQPGEQLLSPERRTNTPKAIS

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RTQFEETWATLLGVLVTQPLVMEQEESPPEEDTERTQINVLAVQAITSLVLSAMTVPVAG

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GLERLLLSEQLSRLDAESLVKLSVDRVNVHSPHRAMAALGLMLTCMYTGKEKVSPGRTSD

PNPAAPDSESVIVAMERVSVLFDRIRKGFPCEARVVARILPQFLDDFFPPQDIMNKVIGE

FLSNQQPYPQFMATVVYKVFQTLHSTGQSSMVRDWVMLSLSNFTQRAPVAMATWSLSCFF

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>sp|Q61086| [Membrane](https://www.uniprot.org/locations/SL-0162)，[Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Cell surface](https://www.uniprot.org/locations/SL-0310)，[Apical cell membrane](https://www.uniprot.org/locations/SL-0015)

MAVSWIVFDLWLLTVFLGQIGGHSLFSCEPITLRMCQDLPYNTTFMPNLLNHYDQQTAAL

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YAVCYMMVSLIFFIGFLLEDRVACNASSPAQYKASTVTQGSHNKACTMLFMVLYFFTMAG

SVWWVILTITWFLAAVPKWGSEAIEKKALLFHASAWGIPGTLTIILLAMNKIEGDNISGV

CFVGLYDVDALRYFVLAPLCLYVVVGVSLLLAGIISLNRVRIEIPLEKENQDKLVKFMIR

IGVFSILYLVPLLVVIGCYFYEQAYRGIWETTWIQERCREYHIPCPYQVTQMSRPDLILF

LMKYLMALIVGIPSIFWVGSKKTCFEWASFFHGRRKKEIVNESRQVLQEPDFAQSLLRDP

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SYRGMEERLPHGSMSRLTDHSRHSSSHRLNEQSRHSSIRDLSNNPMTHITHGTSMNRVIE

EDGTSA

>sp|Q03113| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Lateral cell membrane](https://www.uniprot.org/locations/SL-0153) ，[Lipid-anchor](https://www.uniprot.org/locations/SL-9901)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSGVVRTLSRCLLPAEAGGARERRAGSGARDAEREARRRSRDIDALLARERRAVRRLVKI

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YFLDNLDRIGQLNYFPSKQDILLARKATKGIVEHDFVIKKIPFKMVDVGGQRSQRQKWFQ

CFDGITSILFMVSSSEYDQVLMEDRRTNRLVESMNIFETIVNNKLFFNVSIILFLNKMDL

LVEKVKTVSIKKHFPDFRGDPHRLEDVQRYLVQCFDRKRRNRSKPLFHHFTTAIDTENVR

FVFHAVKDTILQENLKDIMLQ

>sp|Q6Y290| [Membrane](https://www.uniprot.org/locations/SL-0162)， [Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MSGAARAGPARLAALALLTCSLWPTRADNASQEYYTALINVTVQEPGRGTPLTFRIDRGR

YGLDSPKAEVRGQVLAPLPIHGVADHLGCDPQTRFFVPPNIKQWIALLQRGNCTFKEKIS

RAAFHNAVAVVIYNNKSKEEPVTMTHPGTGDIIAVMITELRGKDILSYLEKNISVQMTIA

VGTRMPPKNFSRGSLVFVSISFIVLMIISSAWLIFYFIQKIRYTNARDRNQRRLGDAAKK

AISKLTTRTVKKGDKETDPDFDHCAVCIESYKQNDVVRVLPCKHVFHKSCVDPWLSEHCT

CPMCKLNILKALGIVPNLPCTDNVAFDMERLTRTQAVNRRSALGDLANDSSLGLEPLRTS

GISPLPQDGELTPRTGEINIAVTKEWFIIASFGLLSALTLCYMIIRATASLNANEVEWF

>sp|Q08379| [cis-Golgi network membrane](https://www.uniprot.org/locations/SL-0068)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)，[spindle pole](https://www.uniprot.org/locations/SL-0448)，[Cytoplasmic side](https://www.uniprot.org/locations/SL-9910)，[Endoplasmic reticulum-Golgi intermediate compartment membrane](https://www.uniprot.org/locations/SL-0099)

MWPQPRLPPRPAMSEETRQSKLAAAKKKLREYQQRNSPGVPTGAKKKKKIKNGSNPETTT

SGGCHSPEDTPKDNAATLQPSDDTVLPGGVPSPGASLTSMAASQNHDADNVPNLMDETKT

FSSTESLRQLSQQLNGLVCESATCVNGEGPASSANLKDLESRYQQLAVALDSSYVTNKQL

NITIEKLKQQNQEITDQLEEEKKECHQKQGALREQLQVHIQTIGILVSEKAELQTALAHT

QHAARQKEGESEDLASRLQYSRRRVGELERALSAVSTQQKKADRYNKELTKERDALRLEL

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QQIMQLLREMQNPRERPGLGSNPCIPFFYRADENDEVKITVI

>sp|Q8WUF5|I [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191)

MDSEAFQSARDFLDMNFQSLAMKHMDLKQMELDTAAAKVDELTKQLESLWSDSPAPPGPQ

AGPPSRPPRYSSSSIPEPFGSRGSPRKAATDGADTPFGRSESAPTLHPYSPLSPKGRPSS

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ITALHNAICGANYSIVDFLITAGANVNSPDSHGWTPLHCAASCNDTVICMALVQHGAAIF

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EGESVTVLRRDGPEETDWWWAALHGQEGYVPRNYFGLFPRVKPQRSKV

>sp|Q9UQ80| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[nucleolus](https://www.uniprot.org/locations/SL-0188)

MSGEDEQQEQTIAEDLVVTKYKMGGDIANRVLRSLVEASSSGVSVLSLCEKGDAMIMEET

GKIFKKEKEMKKGIAFPTSISVNNCVCHFSPLKSDQDYILKEGDLVKIDLGVHVDGFIAN

VAHTFVVDVAQGTQVTGRKADVIKAAHLCAEAALRLVKPGNQNTQVTEAWNKVAHSFNCT

PIEGMLSHQLKQHVIDGEKTIIQNPTDQQKKDHEKAEFEVHEVYAVDVLVSSGEGKAKDA

GQRTTIYKRDPSKQYGLKMKTSRAFFSEVERRFDAMPFTLRAFEDEKKARMGVVECAKHE

LLQPFNVLYEKEGEFVAQFKFTVLLMPNGPMRITSGPFEPDLYKSEMEVQDAELKALLQS

SASRKTQKKKKKKASKTAENATSGETLEENEAGD

>sp|Q65194| [Virion membrane](https://www.uniprot.org/locations/SL-0275)， [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904)，[host cytoskeleton](https://www.uniprot.org/locations/SL-0383)，[Host endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0390)

MDSEFFQPVYPRHYGECLSPVTPPSFFSTHMYTILIAIVVLVIIIIVLIYLFSSRKKKAA

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NPVTDRLVMATGGPAAAPAAASAHPTEPYTTVTTQNTASQTMSAIENLRQRNTYTHKDLE

NSL

>sp|O96013| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)

MFGKRKKRVEISAPSNFEHRVHTGFDQHEQKFTGLPRQWQSLIEESARRPKPLVDPACIT

SIQPGAPKTIVRGSKGAKDGALTLLLDEFENMSVTRSNSLRRDSPPPPARARQENGMPEE

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ELLFNEVVIMRDYQHENVVEMYNSYLVGDELWVVMEFLEGGALTDIVTHTRMNEEQIAAV

CLAVLQALSVLHAQGVIHRDIKSDSILLTHDGRVKLSDFGFCAQVSKEVPRRKSLVGTPY

WMAPELISRLPYGPEVDIWSLGIMVIEMVDGEPPYFNEPPLKAMKMIRDNLPPRLKNLHK

VSPSLKGFLDRLLVRDPAQRATAAELLKHPFLAKAGPPASIVPLMRQNRTR

>sp|O56124| [Host cytoplasm](https://www.uniprot.org/locations/SL-0381)，[Host nucleus](https://www.uniprot.org/locations/SL-0414)

MVTIPPLVSRWFPVCGFRVCKISSPFAFTTPRWPHNDVYIGLPITLLHFPAHFQKFSQPA

EISDKRYRVLLCNGHQTPALQQGTHSSRQVTPLSLRSRSSTFNK

>sp|P9WGU1| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Lipid-anchor](https://www.uniprot.org/locations/SL-9901), [Cell surface](https://www.uniprot.org/locations/SL-0310), [cell wall](https://www.uniprot.org/locations/SL-0041), [Secreted](https://www.uniprot.org/locations/SL-0243)

MKIRLHTLLAVLTAAPLLLAAAGCGSKPPSGSPETGAGAGTVATTPASSPVTLAETGSTL

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VPLHRSDGSGDTFLFTQYLSKQDPEGWGKSPGFGTTVDFPAVPGALGENGNGGMVTGCAE

TPGCVAYIGISFLDQASQRGLGEAQLGNSSGNFLLPDAQSIQAAAAGFASKTPANQAISM

IDGPAPDGYPIINYEYAIVNNRQKDAATAQTLQAFLHWAITDGNKASFLDQVHFQPLPPA

VVKLSDALIATISS

>sp|Q13153| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [focal adhesion](https://www.uniprot.org/locations/SL-0118), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [ruffle membrane](https://www.uniprot.org/locations/SL-0301), [invadopodium](https://www.uniprot.org/locations/SL-0148)

MSNNGLDIQDKPPAPPMRNTSTMIGAGSKDAGTLNHGSKPLPPNPEEKKKKDRFYRSILP

GDKTNKKKEKERPEISLPSDFEHTIHVGFDAVTGEFTGMPEQWARLLQTSNITKSEQKKN

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TKNNH

>sp|O15294| [Nucleus](https://www.uniprot.org/locations/SL-0191), [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Mitochondrion](https://www.uniprot.org/locations/SL-0173), [Membrane](https://www.uniprot.org/locations/SL-0162),

MASSVGNVADSTEPTKRMLSFQGLAELAHREYQAGDFEAAERHCMQLWRQEPDNTGVLLL

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DFIDGYINLAAALVAAGDMEGAVQAYVSALQYNPDLYCVRSDLGNLLKALGRLEEAKACY

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FDRAVAAYLRALSLSPNHAVVHGNLACVYYEQGLIDLAIDTYRRAIELQPHFPDAYCNLA

NALKEKGSVAEAEDCYNTALRLCPTHADSLNNLANIKREQGNIEEAVRLYRKALEVFPEF

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IFSPVAPKEEHVRRGQLADVCLDTPLCNGHTTGMDVLWAGTPMVTMPGETLASRVAASQL

TCLGCLELIAKNRQEYEDIAVKLGTDLEYLKKVRGKVWKQRISSPLFNTKQYTMELERLY

LQMWEHYAAGNKPDHMIKPVEVTESA

>sp|O60313| [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168), [Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904), [Mitochondrion membrane](https://www.uniprot.org/locations/SL-0171)

MWRLRRAAVACEVCQSLVKHSSGIKGSLPLQKLHLVSRSIYHSHHPTLKLQRPQLRTSFQ

QFSSLTNLPLRKLKFSPIKYGYQPRRNFWPARLATRLLKLRYLILGSAVGGGYTAKKTFD

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KELRKLVLQKDDKGIHHRKLKKSLIDMYSEVLDVLSDYDASYNTQDHLPRVVVVGDQSAG

KTSVLEMIAQARIFPRGSGEMMTRSPVKVTLSEGPHHVALFKDSSREFDLTKEEDLAALR

HEIELRMRKNVKEGCTVSPETISLNVKGPGLQRMVLVDLPGVINTVTSGMAPDTKETIFS

ISKAYMQNPNAIILCIQDGSVDAERSIVTDLVSQMDPHGRRTIFVLTKVDLAEKNVASPS

RIQQIIEGKLFPMKALGYFAVVTGKGNSSESIEAIREYEEEFFQNSKLLKTSMLKAHQVT

TRNLSLAVSDCFWKMVRESVEQQADSFKATRFNLETEWKNNYPRLRELDRNELFEKAKNE

ILDEVISLSQVTPKHWEEILQQSLWERVSTHVIENIYLPAAQTMNSGTFNTTVDIKLKQW

TDKQLPNKAVEVAWETLQEEFSRFMTEPKGKEHDDIFDKLKEAVKEESIKRHKWNDFAED

SLRVIQHNALEDRSISDKQQWDAAIYFMEEALQARLKDTENAIENMVGPDWKKRWLYWKN

RTQEQCVHNETKNELEKMLKCNEEHPAYLASDEITTVRKNLESRGVEVDPSLIKDTWHQV

YRRHFLKTALNHCNLCRRGFYYYQRHFVDSELECNDVVLFWRIQRMLAITANTLRQQLTN

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>sp|P60484| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Nucleus](https://www.uniprot.org/locations/SL-0191), [PML body](https://www.uniprot.org/locations/SL-0465), [Secreted](https://www.uniprot.org/locations/SL-0243)

MTAIIKEIVSRNKRRYQEDGFDLDLTYIYPNIIAMGFPAERLEGVYRNNIDDVVRFLDSK

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AIHCKAGKGRTGVMICAYLLHRGKFLKAQEALDFYGEVRTRDKKGVTIPSQRRYVYYYSY

LLKNHLDYRPVALLFHKMMFETIPMFSGGTCNPQFVVCQLKVKIYSSNSGPTRREDKFMY

FEFPQPLPVCGDIKVEFFHKQNKMLKKDKMFHFWVNTFFIPGPEETSEKVENGSLCDQEI

DSICSIERADNDKEYLVLTLTKNDLDKANKDKANRYFSPNFKVKLYFTKTVEEPSNPEAS

SSTSVTPDVSDNEPDHYRYSDTTDSDPENEPFDEDQHTQITKV

>sp|G5EE01| [Perikaryon](https://www.uniprot.org/locations/SL-0197)，[Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)，[axon](https://www.uniprot.org/locations/SL-0279)，[dendrite](https://www.uniprot.org/locations/SL-0283)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MVTPPPDVPSTSTRSMARDLQENPNRQPGEPRVSEPYHNSIVERIRHIFRTAVSSNRCRT

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IGVYVERPPKTWGGGSKIKVEVGNGSTILFKPDPLIISKSNHQRERATWLNNCDTPNEFD

TGEQKYHGFVSKRAYCFMVPEDAPVFVEGDVRIDIREIGFLKKFSDGKIGHVWFNTMFAC

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LEKHITEEQAMENYTNYGMIPPRYTISKILHEKHEKGIVKDDYNDRKLPMGDKSYTESGK

SGDIRGVGGPFEIPYKAEEHVLTFPVYEMDRALKSKDLNNGMKLHVVLRCVDTRDSKMME

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CSENLVSDFFEHRNIAVLNRYCRYFYKQRSTSRSRYPRKFRYCPLIKKHFYIPADTDDVD

ENGQPFFHSPEHYIKEQEKIDAEKAAKGIENTGPSTSGSSAPGTIKKTEASQSDKVKPAT

EDELPPARLPDNVRRFPVVGVDFENPEEESCEHKTVESIAGFEPLEHLFHESYHPNTAGN

MLRQDYHTDSEVKIAEQEAKAFVDQLLNGQGVLQEFMKQFKVPSDNSFADYVTGQAEVFK

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ETGKDTQKTRNHVLLHLEANHRVQIERRETCPELHPEDKIPRIAHFSENSFSDSNFDQAI

YL

>sp|O08586| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[PML body](https://www.uniprot.org/locations/SL-0465)

MTAIIKEIVSRNKRRYQEDGFDLDLTYIYPNIIAMGFPAERLEGVYRNNIDDVVRFLDSK

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DSICSIERADNDKEYLVLTLTKNDLDKANKDKANRYFSPNFKVKLYFTKTVEEPSNPEAS

SSTSVTPDVSDNEPDHYRYSDTTDSDPENEPFDEDQHSQITKV

>sp|P79106| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Membrane](https://www.uniprot.org/locations/SL-0162)， [Lipid-anchor](https://www.uniprot.org/locations/SL-9901)，[Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)

MGVNQSVSFPPVTGPHLVGCGDVMEGQSLQGSFFRLFYPCQEAEETSEQPLWIPRYEYCA

GLAEYLKFNKRWGGLLFNLGVGSCRLPVSWNGPFKTKDSGYPLIIFSHGMGAFRTVYSAF

CMELASRGFVVAVPEHRDGSAAATCFCKQTPEENQPDNEALKEEWIPHRQIEEGEKEFYV

RNYQVHQRVSECVRVLKILQEVTAGQAVLNILPGGLDLMTLKGGIDVSRVAVMGHSFGGA

TAILALAKEMQFRCAVALDAWMFPLEHDFYPTARGPIFFINAEKFQTVETVNLMKKICDQ

HHQSRIITVLGSVHRSLTDFVFVAGNWISKFFSSHTRGSLDPYEGQETVVRAMLAFLQKH

LDLKEDYDQWNNFIEGIGPSLTPGAPHHLSSL

>sp|P30989| [Cell membrane](https://www.uniprot.org/locations/SL-0039)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，[Membrane raft](https://www.uniprot.org/locations/SL-0370)

MRLNSSAPGTPGTPAADPFQRAQAGLEEALLAPGFGNASGNASERVLAAPSSELDVNTDI

YSKVLVTAVYLALFVVGTVGNTVTAFTLARKKSLQSLQSTVHYHLGSLALSDLLTLLLAM

PVELYNFIWVHHPWAFGDAGCRGYYFLRDACTYATALNVASLSVERYLAICHPFKAKTLM

SRSRTKKFISAIWLASALLAVPMLFTMGEQNRSADGQHAGGLVCTPTIHTATVKVVIQVN

TFMSFIFPMVVISVLNTIIANKLTVMVRQAAEQGQVCTVGGEHSTFSMAIEPGRVQALRH

GVRVLRAVVIAFVVCWLPYHVRRLMFCYISDEQWTPFLYDFYHYFYMVTNALFYVSSTIN

PILYNLVSANFRHIFLATLACLCPVWRRRRKRPAFSRKADSVSSNHTLSSNATRETLY

>sp|P02683| [Membrane](https://www.uniprot.org/locations/SL-0162)，[Single-pass type II membrane protein](https://www.uniprot.org/locations/SL-9906)，[trans-Golgi network membrane](https://www.uniprot.org/locations/SL-0267)，[trans-Golgi network membrane](https://www.uniprot.org/locations/SL-0267)，[dendrite](https://www.uniprot.org/locations/SL-0283)，[Early endosome membrane](https://www.uniprot.org/locations/SL-0093)，[Late endosome membrane](https://www.uniprot.org/locations/SL-0151)，[Lysosome lumen](https://www.uniprot.org/locations/SL-0156)，[Recycling endosome membrane](https://www.uniprot.org/locations/SL-0231)，[Cytoplasmic vesicle membrane](https://www.uniprot.org/locations/SL-0089)，[Golgi stack membrane](https://www.uniprot.org/locations/SL-0136)，[multivesicular body membrane](https://www.uniprot.org/locations/SL-0175)

MVKLGNNFAEKGTKQPLLEDGFDTIPLMTPLDVNQLQFPPPDKVVVKTKTEYEPDRKKGK

ARPPKIAEFTVSITEGVTERFKVSVLVLFALAFLTCVVFLVVYKVYKYDRACPDGFVLKN

TQCIPEGLESYYTEQDSSAREKFYTVINHYNLAKQSITRSVSPWMSVLSEEKLSEQETEA

AEKSA

>sp|P42857| [Endoplasmic reticulum membrane](https://www.uniprot.org/locations/SL-0097)

MVKLGNNFAEKGTKQPLLEDGFDTIPLMTPLDVNQLQFPPPDKVVVKTKTEYEPDRKKGK

ARPPQIAEFTVSITEGVTERFKVSVLVLFALAFLTCVVFLVVYKVYKYDRACPDGFVLKN

TQCIPEGLESYYAEQDSSAREKFYTVINHYNLAKQSITRSVSPWMSVLSEEKLSEQETEA

AEKSA

>sp|P15209| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)，[Endosome membrane](https://www.uniprot.org/locations/SL-0100)，[Early endosome membrane](https://www.uniprot.org/locations/SL-0093)

MSPWLKWHGPAMARLWGLCLLVLGFWRASLACPTSCKCSSARIWCTEPSPGIVAFPRLEP

NSVDPENITEILIANQKRLEIINEDDVEAYVGLRNLTIVDSGLKFVAYKAFLKNSNLRHI

NFTRNKLTSLSRRHFRHLDLSDLILTGNPFTCSCDIMWLKTLQETKSSPDTQDLYCLNES

SKNMPLANLQIPNCGLPSARLAAPNLTVEEGKSVTLSCSVGGDPLPTLYWDVGNLVSKHM

NETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVNLTVHFAPTITFLESPTSDHH

WCIPFTVRGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYHGCLQLDNPTHMNNGDYT

LMAKNEYGKDERQISAHFMGRPGVDYETNPNYPEVLYEDWTTPTDIGDTTNKSNEIPSTD

VADQSNREHLSVYAVVVIASVVGFCLLVMLLLLKLARHSKFGMKGPASVISNDDDSASPL

HHISNGSNTPSSSEGGPDAVIIGMTKIPVIENPQYFGITNSQLKPDTFVQHIKRHNIVLK

RELGEGAFGKVFLAECYNLCPEQDKILVAVKTLKDASDNARKDFHREAELLTNLQHEHIV

KFYGVCVEGDPLIMVFEYMKHGDLNKFLRAHGPDAVLMAEGNPPTELTQSQMLHIAQQIA

AGMVYLASQHFVHRDLATRNCLVGENLLVKIGDFGMSRDVYSTDYYRVGGHTMLPIRWMP

PESIMYRKFTTESDVWSLGVVLWEIFTYGKQPWYQLSNNEVIECITQGRVLQRPRTCPQE

VYELMLGCWQREPHTRKNIKSIHTLLQNLAKASPVYLDILG

>sp|Q9V466| [nuclear pore complex](https://www.uniprot.org/locations/SL-0185)，[Nucleus envelope](https://www.uniprot.org/locations/SL-0178)，[Nucleus membrane](https://www.uniprot.org/locations/SL-0182)，[spindle](https://www.uniprot.org/locations/SL-0251)，[Chromosome](https://www.uniprot.org/locations/SL-0468)，[Nucleus matrix](https://www.uniprot.org/locations/SL-0181)

MADSPFPRSSRSGLLRTTLNSSMPPQNLSHSLLILEKSNAEQNELSLMEDTGDDLDRGKS

RMDVLFPQFFDVLQAQGNGQEAFEVIQSLTQVCRGVVEQLELEIDHGMGGEQGARQRESM

LTWLRQEINTWRLLHALFYDRILLQTDRQADDEMQDGPTLGGSEKEVIQQLYALNATLRE

YQLVVDWLEACYDRGEQQNPLHAHDRMMAWENTLFQLENLQGAAFGKGHKIVTRLDPDAP

VREKRPLHALDEEDNLRLSRAIFELIRAGRVDDGLKLCKHFGQTWRAAILEGWRLHEDPN

FEQNVSVLHEKLPIEGNPRRDIWKRCAWMLADSKNYDEYSRATAGVFSGHLGSLKTLLHS

NWHDLLWAHLKVQIDIRVESEIRGCCLKNYQPMPDDYWNGRMTMEQIFEELNVAKDASVR

DFAQSQLGIIQRHLILDTCGELIQHMVRWVEKDTSQQSPHQLRFMAHIVLFLRQIGRVEQ

ERQAEKIVAAYVEALIARGEPQLIAYYTASLSNPLQVQLYSRFLEQVEQKRPRELAVDAA

LQAGLDVEQITRVTVQNIRLAHQPLGEFGEPQSGEISAIDQRKISALEWLIHLPEQRGEL

LWQANAMIRTYLASSKVECMRQTFRMVPADIVQQLVSLYGSVDNIPPREECCLKEYLCYK

AYLSGVDSFVEWNRLQQNRPKKPQTSHAASSQDNFTERMASERKEQAHRSEVVRWEHKVK

EQAKQTIELLYNVLMFPDKGWLVDPFIAKLPENAVQLSWDHRLLQMEKLRSICIPEIALF

LNEVMFKSGDFAGCVRLADEISSENRQLYKVYTKHKLAELLAKIADASLELLNSKLDPWG

YPITT

>sp|Q96MF7| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[telomere](https://www.uniprot.org/locations/SL-0276)，[PML body](https://www.uniprot.org/locations/SL-0465)

MPGRSSSNSGSTGFISFSGVESALSSLKNFQACINSGMDTASSVALDLVESQTEVSSEYS

MDKAMVEFATLDRQLNHYVKAVQSTINHVKEERPEKIPDLKLLVEKKFLALQSKNSDADF

QNNEKFVQFKQQLKELKKQCGLQADREADGTEGVDEDIIVTQSQTNFTCPITKEEMKKPV

KNKVCGHTYEEDAIVRMIESRQKRKKKAYCPQIGCSHTDIRKSDLIQDEALRRAIENHNK

KRHRHSE

>sp|Q79FE1| [Secreted](https://www.uniprot.org/locations/SL-0243)，[Cell surface](https://www.uniprot.org/locations/SL-0310)

MHFEAYPPEVNSANIYAGPGPDSMLAAARAWRSLDVEMTAVQRSFNRTLLSLMDAWAGPV

VMQLMEAAKPFVRWLTDLCVQLSEVERQIHEIVRAYEWAHHDMVPLAQIYNNRAERQILI

DNNALGQFTAQIADLDQEYDDFWDEDGEVMRDYRLRVSDALSKLTPWKAPPPIAHSTVLV

APVSPSTASSRTDT

>sp|Q9R044| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)

MGAKRVTVRGARTSPIHRMSSLTPLLLMGMLTSGLAESPVPTSAPRGFWALSENLTAVEG

TTVKLWCGVRAPGSVVQWAKDGLLLGPNPKMPGFPRYSLEGDRAKGEFHLLIEACDLSDD

AEYECQVGRSELGPELVSPKVILSILVSPKVLLLTPEAGSTVTWVAGQEYVVTCVSGDAK

PAPDITFIQSGRTILDVSSNVNEGSEEKLCITEAEARVIPQSSDNGQLLVCEGSNPALDT

PIKASFTMNILFPPGPPVIDWPGLNEGHVRAGENLELPCTARGGNPPATLQWLKNGKPVS

TAWGTEHAQAVAHSVLVMTVRPEDHGARLSCQSYNSVSAGTQERSITLQVTFPPSAITIL

GSVSQSENKNVTLCCLTKSSRPRVLLRWWLGGRQLLPTDETVMDGLHGGHISMSNLTFLV

RREDNGLPLTCEAFSDAFSKETFKKSLTLNVKYPAQKLWIEGPPEGQYIRTGTRVRLVCL

AIGGNPDPSLIWFKDSRPVSEPRQPQEPRRVQLGSVEKSGSTFSRELVLIIGPPDNRAKF

SCKAGQLSASTQLVVQFPPTNLTILANSSALRPGDALNLTCVSISSNPPVNLSWDKEGER

LEDVAAKPQSAPFKGSAASRSVFLRVSSRDHGQRVTCRAHSEALRETVSSFYRFNVLYPP

EFLGEQVRAVTVVEQGQVLLPVSVSANPAPEAFNWTFRGYRLSPAGGPRHRILSGGALQL

WNVTRADDGFYQLHCQNSEGTAEALLKLDVHYAPTIRALRDPTEVNVGGSVDIVCTVDAN

PILPEMFSWERLGEEEEDLNLDDMEKVSKGSTGRLRIRQAKLSQAGAYQCIVDNGVAPAA

RGLVRLVVRFAPQVDQPTPLTKVAAAGDSTSSATLHCRARGVPNIDFTWTKNGVPLDLQD

PRYTEHRYHQGVVHSSLLTIANVSAAQDYALFKCTATNALGSDHTNIQLVSISRPDPPLG

LKVVSISPHSVGLEWKPGFDGGLPQRFQIRYEALETPGFLHVDVLPTQATTFTLTGLKPS

TRYRIWLLASNALGDSGLTDKGIQVSVTTPGPDQAPEDTDHQLPTELPPGPPRLPLLPVL

FAVGGLLLLSNASCVGGLLWRRRLRRLAEEISEKTEAGSEDRIRNEYEESQWTGDRDTRS

STVSTAEVDPNYYSMRDFSPQLPPTLEEVLYHQGAEGEDMAFPGHLHDEVERAYGPPGAW

GPLYDEVRMDPYDLRWPEVQCEDPRGIYDQVAADMDAVEASSLPFELRGHLV

>sp|Q62092| [Q62092](https://www.uniprot.org/uniprot/Q62092)，

MVKLGNNFAEKGTKQPLLEDGFDTIPLMTPLDVNQLQFPPPDKVVVKTKTEYEPDRKKGK

ARPPKIAEFTVSITEGVTERFKVSVLVLFALAFLTCVVFLVVYKVYKYDRACPDGFVLKN

TQCIPEGLESYYTEQDSSAREKFYTVINHYNVAKQSITRSVSPWMSVLSEEKLSEQETEA

AEKSA

>sp|Q17602| [Nucleus membrane](https://www.uniprot.org/locations/SL-0182)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MSNEDVAEDVSQVTDFHFHTCRKFRLFSSKSDGYSQNEINIRNRVATSSQLGVTFVTVNS

NQLSCFHTKSLLGYKITRENMNVEVTDLPIKTIRLHGVVLINDMGVNSDGTVLGVLHTKN

NDVSVDVFDIKKICTSSSIEPFKPLCTTRVGTEQINQGSCLEWNPAFPDTFAASSTDRSI

LVAKINVQSPANQKLVGIGKFGAVTTAISWSPKGKQLTIGDSLGKIVQLKPELEVVRSQH

GPENKPNYGRITGLCWLATTEWLVSLENGTDQDAYLMRCKKDKPTEWIQFHELSYSSSKW

PLPPQLFPATQLLVDWNVVIVGNSKTSEISTVGKRDDWQTWVPVEGESIYLPTTSSGKDT

VPIGVAVDRSMTDEVLLNPDGSQRHRPSPLVLCLTNDGILTAHHIISTFAAHIPCQMSSQ

NLAINDLKKLQFDSQKPISAPPSDQTPVTKPSTVFGQKPEAETLKSSLVGSPSSVQTPKP

SSSLFNPKSIASNIETSQLTESKPSTPAAPSSQPKIASTPKSEAIPKISDKTLEHKKAEL

IATKKQVLIERMDKINDSMAGAKDATMKLSFAVGKVKTTIMECADVVRASLGDSKEVMDE

LKNLILSIERMSDRTQHTVKEMDFEIDEKMELVAGVEDGNQVLEKLRNMSETEKLMRFNK

LETAADLLNGKYEECSDLIKKLRMSLSEKESLRKQAILSPLRLSSNLNQLRSGSETELAL

KVMRNVSKIIMDTREQIQRTELEFVRFQRDVKFQNFKKGKENLNFTQPLEMSSLDGDAPQ

GKSLTDAESIKVRQALVNQIQKRGIVKTRNVIVESYKKSENSAAMKNDLLDTSNLSNAIL

KLSMTPRRVMPSSSLFSASPSTPSTKSDAATQADEPPIVKTVVVTVESPAKPIASAPAVS

SPLIKLNTTTATTTMTTPKVTVPKEEANKTQDQKPIISTPASSSIFSSGSLFGTKTQTPL

VSKEESTLTTGVPSLINSSLSISPQEIEKASSKVETLNKTEEVKDEKSENEVTPDLKSEE

PKSLETKVKEEPKPAVQTPVKEEETGSNIQKTPSFSFNSTTTPKSTSSTSSIFGGGLKTQ

TPSSSNSTNIFGARTTTTATPTPASNTSSIFGGGSKAASSPFGSFGQAGCQPAKTSNPAT

STASVTFSFNTGATSASAKPAGFGSFGAGASAKPSSVFGGSVTAPTVPNVDDGMEDDSMA

NGGGSGGFMSGLGNARTSNTSGGNNPFAPKTSTGTSASSSSWLFGGGGNQQQQQQQKPSF

SFNTAGSSAQQASAPATGTSSVFGGAPKFGSQPAFGAKPFGGGANAGLSKNASIFGGATS

STTNNPATGGFAQFASGQKTSSLFGGGATPQTNTSIFGGGANTTPAPTSSVFGGGASANA

NKPTSFTSWR

>sp|Q920Q8| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090) [Nucleus](https://www.uniprot.org/locations/SL-0191)

MIPNGYLMFEDENFIESSVAKLNALRKSGQFCDVRLQVCGHEMLAHRAVLACCSPYLFEI

FNSDSDPHGVSHVKLDDLNPEAVEVLLNYAYTAQLKADKELVKDVYSAAKKLKMDRVKQV

CGDYLLSRMDVTSCISYRNFASCMGDSRLLNKVDAYIQEHLLQISEEEEFLKLPRLKLEV

MLEDNVCLPSNGKLYTKVINWVQRSIWENGDSLEELMEEVQTLYYSADHKLLDGNPLDGQ

AEVFGSDDDHIQFVQKKPPRENGHKQISGSSTGCLSSPNASMQSPKHEWKIVASEKTSNN

TYLCLAVLDSTFCVIFLHGRNSPQSSPTSTPKLSKSLSFEMQPDELLEKPMSPMQYARSG

LGTAEMNGKLIAAGGYNREECLRTVECYDPHTDHWSFLAPMRTPRARFQMAVLMGQLYVV

GGSNGHSDDLSCGEMYDPNIDDWTPVPELRTNRCNAGVCALNGKLYIVGGSDPYGQKGLK

NCDVFDPVTKSWTSCAPLNIRRHQSAVCELGGYLYIIGGAESWNCLNTVERYNPENNTWT

LIAPMNVARRGAGVAVLDGKLFVGGGFDGSHAISCVEMYDPTRNEWKMMGNMTSPRSNAG

ITTVGNTIYAVGGFDGNEFLNTVEVYNPQSNEWSPYTKIFQF

>sp|Q03717| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Perikaryon](https://www.uniprot.org/locations/SL-0197)，[axon](https://www.uniprot.org/locations/SL-0279)，[dendrite](https://www.uniprot.org/locations/SL-0283)，[Membrane](https://www.uniprot.org/locations/SL-0162)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)，

MPAGMTKHGSRSTSSLPPEPMEIVRSKACSRRVRLNVGGLAHEVLWRTLDRLPRTRLGKL

RDCNTHDSLLQVCDDYSLEDNEYFFDRHPGAFTSILNFYRTGRLHMMEEMCALSFSQELD

YWGIDEIYLESCCQARYHQKKEQMNEELKREAETLREREGEEFDNTCCAEKRKKLWDLLE

KPNSSVAAKILAIISIMFIVLSTIALSLNTLPELQSLDEFGQSTDNPQLAHVEAVCIAWF

TMEYLLRFLSSPKKWKFFKGPLNAIDLLAILPYYVTIFLTESNKSVLQFQNVRRVVQIFR

IMRILRILKLARHSTGLQSLGFTLRRSYNELGLLILFLAMGIMIFSSLVFFAEKDEDDTK

FKSIPASFWWATITMTTVGYGDIYPKTLLGKIVGGLCCIAGVLVIALPIPIIVNNFSEFY

KEQKRQEKAIKRREALERAKRNGSIVSMNMKDAFARSIEMMDIVVEKNGEGVAKKDKVQD

NHLSPNKWKWTKRALSETSSSKSFETKEQGSPEKARSSSSPQHLNVQQLQDMYSKMAKTQ

SQPILNTKEMAPQSQPQEELEMGSMPSPVAPLPTRTEGVIDMRSMSSIDSFISCATDFPE

ATRFSHSPLASLSGKSGGSTAPEVGWRGALGASGGRLMETNPIPEASRSGFFVESPRSSM

KTHNPMKLRALKVNFLEGDPTPLLPALGLYHDPLRNRGGAAAAVAGLECASLLDKPVLSP

ESSIYTTASARTPPRSPEKHTAIAFNFEAGVHQYIDTDTDDEGQLLYSVDSSPPKSLHGS

TSPKFSLGARTEKNHFESSPLPTSPKFLRPNCVYASEGLPGKGPGAQEKCKLENHTSPDV

HMLPGGGAHGSTRDQSI

>sp|P15387| [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Perikaryon](https://www.uniprot.org/locations/SL-0197),, [dendrite](https://www.uniprot.org/locations/SL-0283), [axon](https://www.uniprot.org/locations/SL-0279), [postsynaptic cell membrane](https://www.uniprot.org/locations/SL-0219), [synapse](https://www.uniprot.org/locations/SL-0258), [synaptosome](https://www.uniprot.org/locations/SL-0261), [Membrane](https://www.uniprot.org/locations/SL-0162),  [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909), [Lateral cell membrane](https://www.uniprot.org/locations/SL-0153), [sarcolemma](https://www.uniprot.org/locations/SL-0238)

MPAGMTKHGSRSTSSLPPEPMEIVRSKACSRRVRLNVGGLAHEVLWRTLDRLPRTRLGKL

RDCNTHDSLLQVCDDYSLEDNEYFFDRHPGAFTSILNFYRTGRLHMMEEMCALSFSQELD

YWGIDEIYLESCCQARYHQKKEQMNEELKREAETLREREGEEFDNTCCAEKRKKLWDLLE

KPNSSVAAKILAIISIMFIVLSTIALSLNTLPELQSLDEFGQSTDNPQLAHVEAVCIAWF

TMEYLLRFLSSPKKWKFFKGPLNAIDLLAILPYYVTIFLTESNKSVLQFQNVRRVVQIFR

IMRILRILKLARHSTGLQSLGFTLRRSYNELGLLILFLAMGIMIFSSLVFFAEKDEDDTK

FKSIPASFWWATITMTTVGYGDIYPKTLLGKIVGGLCCIAGVLVIALPIPIIVNNFSEFY

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NHLSPNKWKWTKRALSETSSSKSFETKEQGSPEKARSSSSPQHLNVQQLEDMYSKMAKTQ

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ATRFSHSPLASLSSKAGSSTAPEVGWRGALGASGGRLTETNPIPETSRSGFFVESPRSSM

KTNNPLKLRALKVNFVEGDPTPLLPSLGLYHDPLRNRGGAAAAVAGLECASLLDKPVLSP

ESSIYTTASARTPPRSPEKHTAIAFNFEAGVHHYIDTDTDDEGQLLYSVDSSPPKSLHGS

TSPKFSTGARTEKNHFESSPLPTSPKFLRPNCVYSSEGLTGKGPGAQEKCKLENHTPPDV

HMLPGGGAHGSTRDQSI

>sp|Q15058| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[spindle](https://www.uniprot.org/locations/SL-0251)，[Midbody](https://www.uniprot.org/locations/SL-0469)

MSLHSTHNRNNSGDILDIPSSQNSSSLNALTHSSRLKLHLKSDMSECENDDPLLRSAGKV

RDINRTYVISASRKTADMPLTPNPVGRLALQRRTTRNKESSLLVSELEDTTEKTAETRLT

LQRRAKTDSAEKWKTAEIDSVKMTLNVGGETENNGVSKESRTNVRIVNNAKNSFVASSVP

LDEDPQVIEMMADKKYKETFSAPSRANENVALKYSSNRPPIASLSQTEVVRSGHLTTKPT

QSKLDIKVLGTGNLYHRSIGKEIAKTSNKFGSLEKRTPTKCTTEHKLTTKCSLPQLKSPA

PSILKNRMSNLQVKQRPKSSFLANKQERSAENTILPEEETVVQNTSAGKDPLKVENSQVT

VAVRVRPFTKREKIEKASQVVFMSGKEITVEHPDTKQVYNFIYDVSFWSFDECHPHYASQ

TTVYEKLAAPLLERAFEGFNTCLFAYGQTGSGKSYTMMGFSEEPGIIPRFCEDLFSQVAR

KQTQEVSYHIEMSFFEVYNEKIHDLLVCKDENGQRKQPLRVREHPVYGPYVEALSMNIVS

SYADIQSWLELGNKQRATAATGMNDKSSRSHSVFTLVMTQTKTEFVEGEEHDHRITSRIN

LIDLAGSERCSTAHTNGDRLKEGVSINKSLLTLGKVISALSEQANQRSVFIPYRESVLTW

LLKESLGGNSKTAMIATISPAASNIEETLSTLRYANQARLIVNIAKVNEDMNAKLIRELK

AEIAKLKAAQRNSRNIDPERYRLCRQEITSLRMKLHQQERDMAEMQRVWKEKFEQAEKRK

LQETKELQKAGIMFQMDNHLPNLVNLNEDPQLSEMLLYMIKEGTTTVGKYKPNSSHDIQL

SGVLIADDHCTIKNFGGTVSIIPVGEAKTYVNGKHILEITVLRHGDRVILGGDHYFRFNH

PVEVQKGKRPSGRDTPISEGPKDFEFAKNELLMAQRSQLEAEIKEAQLKAKEEMMQGIQI

AKEMAQQELSSQKAAYESKIKALEAELREESQRKKMQEINNQKANHKIEELEKAKQHLEQ

EIYVNKKRLEMETLATKQALEDHSIRHARILEALETEKQKIAKEVQILQQNRNNRDKTFT

VQTTWSSMKLSMMIQEANAISSKLKTYYVFGRHDISDKSSSDTSIRVRNLKLGISTFWSL

EKFESKLAAMKELYESNGSNRGEDAFCDPEDEWEPDITDAPVSSLSRRRSRSLMKNRRIS

GCLHDIQVHPIKNLHSSHSSGLMDKSSTIYSNSAESFLPGICKELIGSSLDFFGQSYDEE

RTIADSLINSFLKIYNGLFAISKAHEEQDEESQDNLFSSDRAIQSLTIQTACAFEQLVVL

MKHWLSDLLPCTNIARLEDELRQEVKKLGGYLQLFLQGCCLDISSMIKEAQKNAIQIVQQ

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HELFRQCTKNEVTKEMKTNAMGLIRSLENIFAESKIKSFRRQVQEENFEYQDFKRMVNRA

PEFLKLKHCLEKAIEIIISALKGCHSDINLLQTCVESIRNLASDFYSDFSVPSTSVGSYE

SRVTHIVHQELESLAKSLLFCFESEESPDLLKPWETYNQNTKEEHQQSKSSGIDGSKNKG

VPKRVYELHGSSPAVSSEECTPSRIQWV

>sp|Q96Q89| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[centrosome](https://www.uniprot.org/locations/SL-0048)，[nucleolus](https://www.uniprot.org/locations/SL-0188)，[nucleolus](https://www.uniprot.org/locations/SL-0188)，[spindle](https://www.uniprot.org/locations/SL-0251)，[spindle pole](https://www.uniprot.org/locations/SL-0448)，[Midbody](https://www.uniprot.org/locations/SL-0469)，

MESNFNQEGVPRPSYVFSADPIARPSEINFDGIKLDLSHEFSLVAPNTEANSFESKDYLQ

VCLRIRPFTQSEKELESEGCVHILDSQTVVLKEPQCILGRLSEKSSGQMAQKFSFSKVFG

PATTQKEFFQGCIMQPVKDLLKGQSRLIFTYGLTNSGKTYTFQGTEENIGILPRTLNVLF

DSLQERLYTKMNLKPHRSREYLRLSSEQEKEEIASKSALLRQIKEVTVHNDSDDTLYGSL

TNSLNISEFEESIKDYEQANLNMANSIKFSVWVSFFEIYNEYIYDLFVPVSSKFQKRKML

RLSQDVKGYSFIKDLQWIQVSDSKEAYRLLKLGIKHQSVAFTKLNNASSRSHSIFTVKIL

QIEDSEMSRVIRVSELSLCDLAGSERTMKTQNEGERLRETGNINTSLLTLGKCINVLKNS

EKSKFQQHVPFRESKLTHYFQSFFNGKGKICMIVNISQCYLAYDETLNVLKFSAIAQKVC

VPDTLNSSQEKLFGPVKSSQDVSLDSNSNSKILNVKRATISWENSLEDLMEDEDLVEELE

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ATKVETEETHNYVGFEDIIDSLQDNVADIKKQAEIAHLYIASLPDPQEATACLELKFNQI

KAELAKTKGELIKTKEELKKRENESDSLIQELETSNKKIITQNQRIKELINIIDQKEDTI

NEFQNLKSHMENTFKCNDKADTSSLIINNKLICNETVEVPKDSKSKICSERKRVNENELQ

QDEPPAKKGSIHVSSAITEDQKKSEEVRPNIAEIEDIRVLQENNEGLRAFLLTIENELKN

EKEEKAELNKQIVHFQQELSLSEKKNLTLSKEVQQIQSNYDIAIAELHVQKSKNQEQEEK

IMKLSNEIETATRSITNNVSQIKLMHTKIDELRTLDSVSQISNIDLLNLRDLSNGSEEDN

LPNTQLDLLGNDYLVSKQVKEYRIQEPNRENSFHSSIEAIWEECKEIVKASSKKSHQIEE

LEQQIEKLQAEVKGYKDENNRLKEKEHKNQDDLLKEKETLIQQLKEELQEKNVTLDVQIQ

HVVEGKRALSELTQGVTCYKAKIKELETILETQKVECSHSAKLEQDILEKESIILKLERN

LKEFQEHLQDSVKNTKDLNVKELKLKEEITQLTNNLQDMKHLLQLKEEEEETNRQETEKL

KEELSASSARTQNLKADLQRKEEDYADLKEKLTDAKKQIKQVQKEVSVMRDEDKLLRIKI

NELEKKKNQCSQELDMKQRTIQQLKEQLNNQKVEEAIQQYERACKDLNVKEKIIEDMRMT

LEEQEQTQVEQDQVLEAKLEEVERLATELEKWKEKCNDLETKNNQRSNKEHENNTDVLGK

LTNLQDELQESEQKYNADRKKWLEEKMMLITQAKEAENIRNKEMKKYAEDRERFFKQQNE

MEILTAQLTEKDSDLQKWREERDQLVAALEIQLKALISSNVQKDNEIEQLKRIISETSKI

ETQIMDIKPKRISSADPDKLQTEPLSTSFEISRNKIEDGSVVLDSCEVSTENDQSTRFPK

PELEIQFTPLQPNKMAVKHPGCTTPVTVKIPKARKRKSNEMEEDLVKCENKKNATPRTNL

KFPISDDRNSSVKKEQKVAIRPSSKKTYSLRSQASIIGVNLATKKKEGTLQKFGDFLQHS

PSILQSKAKKIIETMSSSKLSNVEASKENVSQPKRAKRKLYTSEISSPIDISGQVILMDQ

KMKESDHQIIKRRLRTKTAK

>sp|Q80WE4| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[cytoskeleton](https://www.uniprot.org/locations/SL-0090)，[spindle](https://www.uniprot.org/locations/SL-0251)，[Midbody](https://www.uniprot.org/locations/SL-0469)，[axon](https://www.uniprot.org/locations/SL-0279)，[growth cone](https://www.uniprot.org/locations/SL-0288)

MESHLNPDGVPRPSYVFSADPIARPLEINFDGVKLDLSHEFSLVASNPAANSLGSKNYLQ

VCLRIRPFTQSEKEHEAEGCVQVLDSQSVLLKDPQSILGHLSEKSSGQVAQKFSFSKVFG

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IEDSEIPRVTRVSELSLCDLAGSERSMKTQNEGERLREAGNINTSLLTLGKCINVLKNSE

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DTLSSSQEKSFASNKSLQDVSLDSNLDNKILNVKRKTVSWENSLEDVLENEDLVEDLEEN

EETQNMETELTDEDSDKSLEECRVSTCHKKNKELLDLIEKLNKRLINENKEKLTLELKIR

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KRLLTIGENELRNEKEEKAELNKQVVSLQQQLRFFEEKNSSLRADVEQIQASYNSAVAEL

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KASSKKSHQIQGLEEQIEKLQVEVKGYREENSDLRAQESQGKNRDHQLKEKESLIQQLRE

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VMRDEEKLLRIKINELEKKKNQYSQDLDMKQRTIQQLKEQLSNQKMEEAVQQYEKVCKDL

SVKEKLVEDMRLTLVEQEQTQAEQDRVLEAKSEEADWLATELDKWKEKFKDLETRSNQRL

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YADDRERCLKLQNEVETLTAQLAEKNSELQKWREERDQLVTAVETQMKALLSSCKHKDEE

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EVSTENVQSTRFPKPELEIQFTPLQPNKMAVKHPGCPTPVTIKIPKARKRKSGEVEEDLV

KCENKKNSTPRSNVKFPVSEHRNSPVKKEQKVSVGPSSKKTYSLRSQASTVSANIASKKR

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SPINISGQVILMEQKVKETDHQILKRRLRTRTAK

>sp|Q14721| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Perikaryon](https://www.uniprot.org/locations/SL-0197)，[axon](https://www.uniprot.org/locations/SL-0279)，[dendrite](https://www.uniprot.org/locations/SL-0283)，[Membrane](https://www.uniprot.org/locations/SL-0162)， [Multi-pass membrane protein](https://www.uniprot.org/locations/SL-9909)

MPAGMTKHGSRSTSSLPPEPMEIVRSKACSRRVRLNVGGLAHEVLWRTLDRLPRTRLGKL

RDCNTHDSLLEVCDDYSLDDNEYFFDRHPGAFTSILNFYRTGRLHMMEEMCALSFSQELD

YWGIDEIYLESCCQARYHQKKEQMNEELKREAETLREREGEEFDNTCCAEKRKKLWDLLE

KPNSSVAAKILAIISIMFIVLSTIALSLNTLPELQSLDEFGQSTDNPQLAHVEAVCIAWF

TMEYLLRFLSSPKKWKFFKGPLNAIDLLAILPYYVTIFLTESNKSVLQFQNVRRVVQIFR

IMRILRILKLARHSTGLQSLGFTLRRSYNELGLLILFLAMGIMIFSSLVFFAEKDEDDTK

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ATRFSHSPLTSLPSKTGGSTAPEVGWRGALGASGGRFVEANPSPDASQHSSFFIESPKSS

MKTNNPLKLRALKVNFMEGDPSPLLPVLGMYHDPLRNRGSAAAAVAGLECATLLDKAVLS

PESSIYTTASAKTPPRSPEKHTAIAFNFEAGVHQYIDADTDDEGQLLYSVDSSPPKSLPG

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VRVLPGGGAHGSTRDQSI

>sp|U4PR86| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[centrosome](https://www.uniprot.org/locations/SL-0048)

MSKYEVLQGFYAVHDELGSGGFGKVRLATHLLTNQKVAIKIIDKKQLGHDLPRVQTEMDA

LRNLSHQNICRLYHYIETEDKFFIVMEYCSGGEMFDYIVRKERLEESEARHFFRQLVSAI

AFVHSQGYAHRDLKPENLLLTEDLHLKLIDFGLCAKTEKGRIDKHNLDTCCGSPAYAAPE

LIQGLQYKGNEADVWSMGILLYTLLVGALPFEDDNMQIMYKKIQSGCFYEPEFLSPLSKQ

LLRAMLQVVPERRISVKKLLEHDWLNHKYTQPVKWNTIYDKNFIDRDVARVMSKYYGFES

TDKMIEKIKEWNFDYMTSTYYALLHRKRNGMEIILPMVRNSTNTAPPNVQNILCSPTIHA

SLENNLDKSGLEDDDSDPSSISSSSDISARLKKNCVVSDESSSSRFVKPMSPAAEKDKKM

SYVNAMLTMPSQFTGRSPLRIPESPMSVRSSDSASLGSAATPSRGGVKDNDKENASTGKN

YRMGASTCKSRGPLKITGVEEGTMKSVYTTPNTRPTLRGLFSPGNAEHKKRQRARSSDRA

SIGMPPGSPVSIGSAHSANNELLADGRTPRSRIKTNRLPQRVFTSLERKKEKLITLLTPR

KMQRDSPQVLKDVKNMVNVSMTASQDPEEVRNLLKKVFDDERMRYELNGWKFLATQETVH

GWMTVELEIVRLQMFDKVGIRRKRLKGDAFMYKKVCEKILQMAKIE

>sp|O18330| [Secreted](https://www.uniprot.org/locations/SL-0243)

MTRLFMLVCLGIVCQGTTGNILRGESLNKSLPILHEWKFFDYDFGSDERRQDAILSGEYD

YKNNYPSDIDQWHDKIFVTMLRYNGVPSSLNVISKKVGDGGPLLQPYPDWSFAKYDDCSG

IVSASKLAIDKCDRLWVLDSGLVNNTQPMCSPKLLTFDLTTSQLLKQVEIPHDVAVNATT

GKGRLSSLAVQSLDCNTNSDTMVYIADEKGEGLIVYHNSDDSFHRLTSNTFDYDPKFTKM

TIDGESYTAQDGISGMALSPMTNNLYYSPVASTSLYYVNTEQFRTSDYQQNDIHYEGVQN

ILDTQSSAKVVSKSGVLFFGLVGDSALGCWNEHRTLERHNIRTVAQSDETLQMIASMKIK

EALPHVPIFDRYINREYILVLSNKMQKMVNNDFNFDDVNFRIMNANVNELILNTRCENPD

NDRTPFKISIHL

>sp|Q7X7A4| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Chromosome](https://www.uniprot.org/locations/SL-0468)

MRRERDATQIPENPMEGIPQTAAAAAAAAAAEASEPPRKRARVDGGGGGAGEEEEDRLSD

LPDCLLEDILAHLGSRQAVQTSVLSRRWRNLWRGVRVVVIDVGSFRLPGADGDPPRFRLD

RIEDFADGVLSPSLHPGAARELDALRMRLDEDAVTTNFQRWIRRALWRRPATVDLYYLPR

RSFSWPPAVPLTPVTAVSRLKTLRIFGLRPTVVFGADEFPALEDLHIERCSYAHGTIASP

TLKRLALVSPINGCFVREQRLTAPGLTSLRLVLPYSREEGVRVITDAPLTSLVDASITIV

DTDPGDPRNRRVNQFKVDFLVAISNLLGRLTSVRNLDLTGLNATALLDNKSQEFPMFPYL

TTLLLNECDIGYKYHVLRSILQNAPNLEQLRLHNCKFVGKSRRKAGQTQSKEKTSKCSSS

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>sp|Q02750| [centrosome](https://www.uniprot.org/locations/SL-0048)，[spindle pole body](https://www.uniprot.org/locations/SL-0252)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)，[Membrane](https://www.uniprot.org/locations/SL-0162)，[Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MPKKKPTPIQLNPAPDGSAVNGTSSAETNLEALQKKLEELELDEQQRKRLEAFLTQKQKV

GELKDDDFEKISELGAGNGGVVFKVSHKPSGLVMARKLIHLEIKPAIRNQIIRELQVLHE

CNSPYIVGFYGAFYSDGEISICMEHMDGGSLDQVLKKAGRIPEQILGKVSIAVIKGLTYL

REKHKIMHRDVKPSNILVNSRGEIKLCDFGVSGQLIDSMANSFVGTRSYMSPERLQGTHY

SVQSDIWSMGLSLVEMAVGRYPIPPPDAKELELMFGCQVEGDAAETPPRPRTPGRPLSSY

GMDSRPPMAIFELLDYIVNEPPPKLPSGVFSLEFQDFVNKCLIKNPAERADLKQLMVHAF

IKRSDAEEVDFAGWLCSTIGLNQPSTPTHAAGV

>sp|Q9CPT4| [Secreted](https://www.uniprot.org/locations/SL-0243)，

MAAPSGGFWTAVVLAAAALKLAAAVSEPTTVPFDVRPGGVVHSFSQDVGPGNKFTCTFTY

ASQGGTNEQWQMSLGTSEDSQHFTCTIWRPQGKSYLYFTQFKAELRGAEIEYAMAYSKAA

FERESDVPLKSEEFEVTKTAVSHRPGAFKAELSKLVIVAKAARSEL

>sp|Q6PDN3| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[stress fiber](https://www.uniprot.org/locations/SL-0501)

MGDVKLFASSHMSKTSHSVDPSKVSSMPLTEAPAFILPPRNLCVKEGATAKFEGRVRGYP

EPQVTWHRKGQAITNGGRFLLDCGVRGTFSLVIHTVREEDKGKYTCEASNGSGARQVTVE

LTVEGNSMKKRDQPVLSKASGFPGETRPSIWGECPPKFATKLGRAVVKEGQMWRFSCKIT

GRPPPQVTWLKGNVPLQPSARVSMSEKNGMQILEIRGVTRDDLGVYTCMVVNGSGKASMS

AELSIPGLDNASRLAVRGTKAPSPDIRKEVTNGVSKDPETVAESKNCPSPQRSGSSARAT

NSHLKSPQEPKPKLCEDAPRKVPQSSILQKSTSTITLQALKVQPEARVPAIGSFSPGEDR

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FICEVSGIPKPDVGWFLEGIPVRRREGITEVYEDGVSHHLCLLRARTRDSRKYSCTASNS

LGQVSCSWSLLVDRPNLAQTAPSFSSVLKDSVVIEGQDFVLRCSVQGTPAPRVTWLLNGQ

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TLGQSVLISCAIAGDPFPTVHWLRDGRALSKDSGHFELLQNEDVFTLVLKNVQPWHAGQY

EILLKNRVGECSCQVSLMLHNSPSRAPPRGREPASCEGLCGGGGVGAHGDGDRHGTLRPC

WPARGQGWPEEEDGEDVRGLLKRRVETRLHTEEAIRQQEVGQLDFRDLLGKKVSTKTVSE

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PKAATPDFRSVLGGKKKSPSENGGNSAEVLNVKAGESPTPAGDAQAIGALKPVGNAKPAE

TPKPIGNAKPTETLKPVGNTKPAETLKPIANAQPSGSLKPVTNAQPAEPQKPVGNAKSAE

TSKPAGKEEVKEVKNDVNCKKGQVGATGNEKRPESQGSAPVFKEKLQDVHVAEGEKLLLQ

CQVISDPPATVTWSLNGKTLKTTKFIVLAQEGSRFSVSIEKALPEDRGLYKCVAKNSAGQ

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QIIQFPEDQKVRAGEPVELFGKVAGTQPITCKWMKFRKQIQESEHIKVENGESGSKLTIL

AARQEHCGCYTLVVENKLGSRQAQVNLTVVDKPDPPAGTPCASDIRSSSLTLSWYGSSYD

GGSAVQSYNVEIWDTEDKVWKELATCRSTSFNVQDLLPDREYKFRVRAVNVYGTSEPSQE

SELTAVGEKPEEPKDEVEVSDDDEKEPEVDYRTVTVNTEQKVSDVYDIEERLGSGKFGQV

FRLVEKKTGKIWAGKFFKAYSAKEKDNIRQEISIMNCLHHPKLVQCVDAFEEKANIVMVL

EIVSGGELFERIIDEDFELTERECIKYMRQISEGVEYIHKQGIVHLDLKPENIMCVNKTG

TRIKLIDFGLARRLENAGSLKVLFGTPEFVAPEVINYEPIGYATDMWSIGVICYILVSGL

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LMKDTKNMEAKKLSKDRMKKYMARRKWQKTGNAVRAIGRLSSMAMISGLSGRKSSTGSPT

SPINAEKLESEDDVSQAFLEAVAEEKPHVKPYFSKTIRDLEVVEGSAARFDCKIEGYPDP

EVVWFKDDQSIRESRHFQIDYDEDGNCSLIISDVCGDDDAKYTCKAVNSLGEATCTAELI

VETMEEGEGEEGGEEEEEEEE

>sp|P41227| [Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MNIRNARPEDLMNMQHCNLLCLPENYQMKYYFYHGLSWPQLSYIAEDENGKIVGYVLAKM

EEDPDDVPHGHITSLAVKRSHRRLGLAQKLMDQASRAMIENFNAKYVSLHVRKSNRAALH

LYSNTLNFQISEVEPKYYADGEDAYAMKRDLTQMADELRRHLELKEKGRHVVLGAIENKV

ESKGNSPPSSGEACREEKGLAAEDSGGDSKDLSEVSETTESTDVKDSSEASDSAS

>sp|Q86W26| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [Cell membrane](https://www.uniprot.org/locations/SL-0039), [Peripheral membrane protein](https://www.uniprot.org/locations/SL-9903)

MAMAKARKPREALLWALSDLEENDFKKLKFYLRDMTLSEGQPPLARGELEGLIPVDLAEL

LISKYGEKEAVKVVLKGLKVMNLLELVDQLSHICLHDYREVYREHVRCLEEWQEAGVNGR

YNQVLLVAKPSSESPESLACPFPEQELESVTVEALFDSGEKPSLAPSLVVLQGSAGTGKT

TLARKMVLDWATGTLYPGRFDYVFYVSCKEVVLLLESKLEQLLFWCCGDNQAPVTEILRQ

PERLLFILDGFDELQRPFEEKLKKRGLSPKESLLHLLIRRHTLPTCSLLITTRPLALRNL

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KEDQSRLGKESRREVQRLLEVKEQEGNDEMTLTMQFLLDISKKDSFSNLELKFCFRISPC

LAQDLKHFKEQMESMKHNRTWDLEFSLYEAKIKNLVKGIQMNNVSFKIKHSNEKKSQSQN

LFSVKSSLSHGPKEEQKCPSVHGQKEGKDNIAGTQKEASTGKGRGTEETPKNTYI

>sp|Q9QZS7| [Cell membrane](https://www.uniprot.org/locations/SL-0039)，[Single-pass type I membrane protein](https://www.uniprot.org/locations/SL-9905)

MGAKEATVRGPGASPVHRTCHLIPLLLAGMLTTGLAQSPVPTSAPRGFWALSENLTVVEG

STVKLWCGVRAPGSVVQWAKDGLLLGPNPKIPGFPRYSLEGDSAKGEFHLLIEACDLSDD

AEYECQVGRSELGPELVSPSVILSILVSPKVLQLTPEAGSTVTWVAGQEYVVTCVSGDAK

PAPDIIFIQGGRTVEDVSSSVNEGSEEKLFFTEAEARVTPQSSDNGQLLVCEGSNPALAT

PIKASFTMNILFPPGPPVIDWPGLNEGHVRAGENLELPCIARGGNPPATLQWLKNGKPVS

IAWGTEHAQAVAHSVLVMTVRPEDHGARLSCQSYNSVSAETQERSITLQVTFPPSAVTIL

GSTSQSENKNVTLCCLTKSSRPRVLLRWWLGGRQLLPTDETVMDGLHGGHISMSNLTLLV

KREDNGLSLTCEAFSDAFSKETFKKSLTLNVKYPAQKLWIEGPPEGQSIRTGTRVRLVCL

AIGGNPEPSLTWLKDSRPVNDPRQSQEPRRVQLGSVEKSGSTFSRELVLIIGPPDNLAKF

SCKAGQLSASTQLVVQFPPTNLTILANSSALRPGDALNLTCVSISSNPPVNLSLDKEGER

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WNVTRADDGFYQLHCQNSEGTAEALLKLDVHYAPTIRALKDPTEVNVGGSVDIVCTVDAN

PILPEMFSWERLGEDEEELNLDDMEKMSKGSTGRLRIRQAKLSQAGAYQCIVDNGVAPAA

RGLVRLVVRFAPQVDHPTPLTKVAAAGDSTSSATLHCRARGVPNIDFTWTKNGVPLDLQD

PRYTEHKYHQGVVHSSLLTIANVSAAQDYALFKCTATNALGSDHTNIQLVSISRPDPPLG

LKVVSVSPHSVGLEWKPGFDGGLPQRFQIRYEALESPGFLYMDVLPAQATTFTLTGLKPS

TRYRIWLLASNALGDSGLTDKGIQVSITTPGLDQAPEDTDQPLPTEQPPGPPRLPLLPVL

FAVGGLLLLSNASCVGGLLWRRRLRRLAEEISEKTEAGSEEDRIRNEYEESQWTGDRDTR

SSTVSTAEVDPHYYSMRDFSPQLPPTLEEVSYRQAFTGIEDEDMAFPGHLYDEVERVYGP

PGVWGPLYDEVQMDPYDLRWPEVKYEDPRGIYDQVAADMDAGEPGSLPFELRGHLV

>sp|Q9P0J0| [Mitochondrion inner membrane](https://www.uniprot.org/locations/SL-0168)，[Single-pass membrane protein](https://www.uniprot.org/locations/SL-9904)，[Matrix side](https://www.uniprot.org/locations/SL-9913)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MAASKVKQDMPPPGGYGPIDYKRNLPRRGLSGYSMLAIGIGTLIYGHWSIMKWNRERRRL

QIEDFEARIALLPLLQAETDRRTLQMLRENLEEEAIIMKDVPDWKVGESVFHTTRWVPPL

IGELYGLRTTEEALHASHGFMWYT

>sp|Q9XVS4| [nucleolus](https://www.uniprot.org/locations/SL-0188)，[nucleoplasm](https://www.uniprot.org/locations/SL-0190)

MSSDLYANAVLYSEISQRNPELVSKMFNEATRKKLDAFLKDNEAPKLKDIVTDNVFKKRK

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KTPAKSTPAKTAVKKEASSSSDDSSDDEKTKKKSATTPAKSTPKTALKKAESSDSSDDDE

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VQMTKDSVSEKFRNNQHDSHFDQWGQRANESLGKVVGKAFRHEKTKKKKGSYGGGPINQS

INSIKFSDSDD

>sp|P12497| [Host cell membrane](https://www.uniprot.org/locations/SL-0375)， [Lipid-anchor](https://www.uniprot.org/locations/SL-9901)，[host multivesicular body](https://www.uniprot.org/locations/SL-0453)，

MGARASVLSGGELDKWEKIRLRPGGKKQYKLKHIVWASRELERFAVNPGLLETSEGCRQI

LGQLQPSLQTGSEELRSLYNTIAVLYCVHQRIDVKDTKEALDKIEEEQNKSKKKAQQAAA

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PQDLNTMLNTVGGHQAAMQMLKETINEEAAEWDRLHPVHAGPIAPGQMREPRGSDIAGTT

STLQEQIGWMTHNPPIPVGEIYKRWIILGLNKIVRMYSPTSILDIRQGPKEPFRDYVDRF

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NIVTDSQYALGIIQAQPDKSESELVSQIIEQLIKKEKVYLAWVPAHKGIGGNEQVDGLVS

AGIRKVLFLDGIDKAQEEHEKYHSNWRAMASDFNLPPVVAKEIVASCDKCQLKGEAMHGQ

VDCSPGIWQLDCTHLEGKVILVAVHVASGYIEAEVIPAETGQETAYFLLKLAGRWPVKTV

HTDNGSNFTSTTVKAACWWAGIKQEFGIPYNPQSQGVIESMNKELKKIIGQVRDQAEHLK

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VWKGPAKLLWKGEGAVVIQDNSDIKVVPRRKAKIIRDYGKQMAGDDCVASRQDED

>sp|Q21986| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Nucleus](https://www.uniprot.org/locations/SL-0191)

MSKAELAVLERRLRPIYDSLDSQQFKKALSDCDKVLKKHPNTSAAKVLKALTLIRLEKLA

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>sp|P60324| [Nucleus](https://www.uniprot.org/locations/SL-0191)，[Cytoplasm](https://www.uniprot.org/locations/SL-0086)，[Stress granule](https://www.uniprot.org/locations/SL-0496)，[P-body](https://www.uniprot.org/locations/SL-0230)

MGTFNLWTDYLGLARLVGALHKEEELDVRLDPKPEPKPSSESQQASKESSAAPERLCSFC

KHNGESRAIYQSHVLKDEAGRVLCPILRDYVCPQCGATQEHAHTRRFCPLTSQGYTSVYC

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>sp|Q969H8| [Secreted](https://www.uniprot.org/locations/SL-0243)，[Endoplasmic reticulum-Golgi intermediate compartment](https://www.uniprot.org/locations/SL-0098)

MAAPSGGWNGVGASLWAALLLGAVALRPAEAVSEPTTVAFDVRPGGVVHSFSHNVGPGDK

YTCMFTYASQGGTNEQWQMSLGTSEDHQHFTCTIWRPQGKSYLYFTQFKAEVRGAEIEYA

MAYSKAAFERESDVPLKTEEFEVTKTAVAHRPGAFKAELSKLVIVAKASRTEL

>sp|Q15746| [Cytoplasm](https://www.uniprot.org/locations/SL-0086), [lamellipodium](https://www.uniprot.org/locations/SL-0291), [Cleavage furrow](https://www.uniprot.org/locations/SL-0467), [stress fiber](https://www.uniprot.org/locations/SL-0501)

MGDVKLVASSHISKTSLSVDPSRVDSMPLTEAPAFILPPRNLCIKEGATAKFEGRVRGYP

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AEEKPHVKPYFSKTIRDLEVVEGSAARFDCKIEGYPDPEVVWFKDDQSIRESRHFQIDYD

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