

Table S8. Amino acid sequences of the putative nuclear transmembrane proteins in fasta format

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>gi|7661996|ref|NP_055688.1| KIAA0205 gene product [Homo sapiens]
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SWGWAYGYTVMWGEDIKAVSKDEAVMLVNHQATGDVCTLMMCLQDKGLVVAQMMWMLMDHIFKYTNFGIV
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>gi|6005719|ref|NP_009107.1| chromosome 14 open reading frame 1 [Homo sapiens]
MSRFLNVLRSWLVMVSI I AMGNTLQSF RDHTFLY EKLYTGKPNLVNGLQARTFGIWTLLSSVIRCLCAID
IHNKTLYHITLWTFLLALGHFLSEL FVYGTAAPTIGVLAPLMVASFSILGMLVGLRYLEVEPVSRQKKRN
>gi|29736045|ref|XP_027330.4| similar to RKEN cDNA 2610015J01 [Mus musculus][Homo sapiens]
MSFPPLNRPMPGIPALPPGIPPPQPGFPFPVPPGTPMIPVMSIMAPAPT VLVPTVSMVGKHLGARKD

HPGLKAKENDENCGPTTTTVFVGNISEKASDMLIRQLLAKCGLVLSWKRVQGASGKLQAFGFCEYKEPEST
LRALRLHLDLQIGEKLLVKVDAKTAQLDEWKAKKKASNGNARPETVTNDDEALDEETKRDRDQMIKGA
IEVLIREYSSSELNAPSQESDSHPKRRKKKKEDIFRRFPVAPLIPYPLITKEDINAIEEEDKRDLSIRE
ISKFRDTHKKLEEEKGKKEKERQEIEKERRERERERERERERERERERERERERERERERERERERER
RDRTERDR
REREREKDKRDREDEEDAYERKLERKLEKEAAYQERLKNWEIRERKKTREYEKEAEREERRREMA
KEAKRLKEFLEYDDDRDPKYRGSAQKRLRDREKEMEADERDRKREKEELEIRQRLLAEGHPDPDA
ELQRMQEAERRRQPKIQEPESEEEEEEKQEKKEKREPMEEEEPEQKPCCLKPTLRPISSAPSVSSAS
GNATPNTPGDESPCGIIIPHENSPDQQQPEHRPKIGLSLKLGTALFSPFFIFFPSPLQIPVLCFKEKNL
YLCLVR

>gi|7661722|ref|NP_056158.1| likely ortholog of *Xenopus* dullard [Homo sapiens]
MMRTQCLGLRAFVAFAAKLWSFFIYLLRRQIRTVIQYQTVRYDILPLSPVSRNRLAQVKRKILVLDLDE
TLIHSHDGVLRPFTVRPGTTPDFILKVVIDKHPVRFFVHKRPHVDFFLEVVSQWYELVVFTASMEIYGSA
VADKLDNSRSILKRRYRQHCTLELGSYIKDLSVHSDLDSSIVILDNSPGAYRSHPDNAIPIKSWFSDPS
DTALLNLLPMLDALRFTADVRSVLSRNHLQHRLW

>gi|21361709|ref|NP_060640.2| hypothetical protein FLJ10656; cyclin-dependent kinase inhibitor-
related protein [Homo sapiens]
MSAFSEAALEKKLSELSNQSVQTLSLWLIIHRKHSRPIVTVWERELRKAKPNRKLTFLYLANDVIQNS
KRKGPEFTKDFAPVIVEAFKHVSSETDESCKKHLGRVLSIWEERSVYENDVLEQLKQALYGDKKPRKRTY
EQIKVDENENCSSLGSPEPPQTLDLVRLQDLENAASGDAAVHQRIASLPVEVQEVSLLDKITDKESGE
RLSKMVEDACMLLADYNGRLAAEIDDRKQLTRMLADFLRCQKEALAEKEHKELEYKRKLARVSLVRKELR
SRIQSLPDLRLPNVTGSHMHLFPAGDIYSED

>gi|29743162|ref|XP_292696.1| similar to KIAA1689 protein [Homo sapiens]
MSSTKTRGVLGARETERHCSIEDIRRMFSEDPSTGLWLWCGQSTCGLWQQLVHGREGCWSLDRMNSMD
SGDCRPEGGGRAKQQRKNKSARVCDGAGLFCCKNQGFMDQGTQVQGEHARSTLTTPPEPQKVQVEPTFQSTG
SRSPDTCMDKNVRLPQLNEMIVSDKEERTVAAPKSEQMDSRTPSSKAHYPDLAEDPWFYLSYVQRIWVS
LTDLLRSIGRVSALVGNDHKGSQKTRPLDAPDLAGEGKGSQVNIQGLVSSLPLARTFPPLFQLLMPA
SWTEEPYFYTAIERGSIHEDYKPMIDIPALIVSPRSRTFTVLVSSDETPLDVGVSVVKEFLYIIRQNIKD
APMSAACHMQAYSSRMCVSPGPAATSARQGGGGRTPSTSGTMPALKPPRSFPEKPHLQGGQGRLSGALSP
GGCCFCVSSRWNLDKGEFKKRMVTPTAALLEASLKAFLQKAARWQVRATHSGRNEEHELCKVKVKGAVVR
ILLSHCNLGRSTHKLASSELPGVSIQLDPPDRHTQSFMLDFRDISSKEKFYTCSKMLSKHICMESPPQYSSP
WVLTPTLHDSYSHYQDFTKDSSEGTNGSSLSKSRWCWIMETGRTPGTWLQFSLKEMNVDDVNVDRDLGHS
QCGFLMYGSILYSFSLPIRIMLMHPKQAKRSDPDTFDES

>gi|11034845|ref|NP_067038.1| chromosome 20 open reading frame 77 [Homo sapiens]
MSSFESALEKKLSELSNQSVQTLSLWLIIHRKHAGPIVSVWHRELKAKSNRKLTFLYLANDVIQNS
KRKGPEFTREFESVLVDAPSHVAREADEGCKKPLERLLNIWQERSVYGGFEFIQQLKLSMEDSKSPPPKAT
EEKKSLKRTFQQIQEEEDDDYPGSYSPQDPSAGPLLTEELIKALQDLENAASGDATVRQKIASLPQEVQD
VSLLEKITDKEAERLSKTVDEACLLLAENGRLLAAELEDRLQLARMLVEYTQNKQDVLSEKEKKLEEKYK
QKLARVTVQVKELKSHIQSLPDLRLPNVTGGLAPLPSAGDLFSTD

>gi|28478908|ref|XP_129726.2| RIKEN cDNA 2410118I19 [Mus musculus]
MEPDYPYSDHVAAVAQSSAGSDFVFKPSEPRPLYIQKNVSREEVQWGVFVPRDVPESFTSETHQWLNRSQ
FYFLTKSQSLTFTSTKSPEEKLPTPSKQLLAESLPTTPFSFILGKHRQQQAKLTETSENELVQLPLTE
NIPAITESHPSPCPAISFFLVLSVCKLAAAV

>gi|20832116|ref|XP_129627.1| RIKEN cDNA C330023F11 [Mus musculus]
MATEQRPFHLVVFAGSGFTGQFVTEEVAREQIASEQSSRLPWAVAGRSKEKLQQVLEKAAQKLGRPSLSS
EVGVII CDISNPASLDEMAKQAKLVLCVGPYRFYGEFVVKACIENGTSICIDICGEPQFLELMHAKYHEK
AAEKGVYIIGSSGFDISIPADLGLVLYTRNQMNGLTAVESFLTINTGPEGLCIHDGTWKSIAIYFGDGKLSL
RKLRSVSLKVPVPIVGTFLKRRWPSVSYCRELNSYISIPFLGSDISVVKRTQRYLHENLEDSPVQYAAVTV
GGITSYIKLMFAGLFLFVVKFSIGRQLLKFPPWLFSGYFSKQGTQKQMDETSFTMTFFGQYSVHGTC
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FSVISSEV

>gi|20834508|ref|XP_129651.1| hypothetical protein LOC226856 [Mus musculus]
MAVTVEEAPLWGIWAKALMRFAFMVANNLVAIPSYICYVIIQPLRVLDSKRFWIEGLMYKWLGLGMVA
SWGWAYAGYTMWEGEDIKAIKDEAVMLVNHQATGDVCTLMMCLQDKGPVVAQMMWLMDHIFKYTNFGIV
SLIHGDFFIQGRAYRDQQLLVLLKHLEHNYRSRDRKWIIVLFPEGGFLRKRRETSQAFACKNNLPFLTHV
TLPRFGATNIIKALVARQENGSPAGGDARGLECKSRGLQWIIDTTIAYPKAEPIDIQTWILGYRKPTVT
HVHYRIFPIGDVPLETEDLTSWLYQRFIEKEDLLSHFYKTGAFFFFPQGQKEAVCREMTLSNMWIFLIQSF
AFLSGYLWYHIIQYFYHCLF

>gi|27370270|ref|NP_766431.1| hypothetical protein A130072J07 [Mus musculus]
MSQSLKSQNTNMSDSGCRDPVGDSQNVLENDPSINSQTQDTRVTPNNTAEAQPLQPTSDLKEDHHEIGAR
AQEHTDTGDRSESPPEPALEKPPDLKAELESSPSSQDTELGHHPHSEHGGDALDLPNCSQSDLGGRAD
AHLSESVASPEGAGDRGEADEHLESSAAPTGEAGDRGEAGQELLAEDSTDGQSLGHSNTGPGNQDSLRL
RRLPVPEAGSHEEETELVKEKQEVQDTRKTDKKSLLWYGSVFLGCLIVAVVLSVNSYSSPAQQVPQ
NPALAEFLAQFQGLKEKFPQGSSFLWQRGRKFLQKHLNASNPSEPATIIFTAAREGKETLCKLSYHVANA
YTSSQKVTAVSIDGAERALQSDSTVKLLVDLELSDGFENGHKAADVHHFESLPAGSTLIFYKYCDHENAA
FKDVALVLTVLLEETLEASVSPREIEEKVRDLLWAKFTNSESPSTSYSHMDSDKLSGLWSRISHLVLPVQ
PVRNIEERGCLL

>gi|28485292|ref|XP_130243.2| RIKEN cDNA A930041I02 gene [Mus musculus]
MVRGARQSQQPRSLAPRLSGTVEKPPRKRKSRTEFTLKETMSSSGAEDDIPQGERKTVTDFCYLLDKSK
QLFNGLRLDLQYQKQWQSYFGRTFDVYTKLWKFGQQHQRQVLDNRYGLKRWQIGEIASKIGQLYHYHYLR
TSETSYLNEAFSFSYSAIRQSYYSQVKNEDRPELVVKLRYYARFIVVCLLLNKMDVVKDLVKELSDEIE
DYTHRFNTEDQVEWNLVLQEVAAFIADPVMVLNDDNTIVITSNRLAETGAPLLEQGMIVGQLSLADALI
IGNCINNQVKFSELTVDMPFRLQALEREPMNLASQMNKPGIQEPADKPTRENPHKYLLYKPTFSQLYTF
AASFKELPANSVLLIYLSATGVFTGRSDGEGPYDFGGVLTNSNRDIINGDAIHKRNQSHKEMHCLHPGD

LYPFTRKPLFIIVDSSNSVAYKNFTNLFGQPLVCLLSPTAYPKALQDQSQRGSFLTLFLNNPLMAFLFVS
GLSSMRRLWEKQCEYLKINRDIAQLLTHSRSIDQAFLLQFFGDEFLLRLTRFVFCSATMRMHKAFRET
RNPYESYPQLPRDETVENPHLQKHILELASILDVRNIFFESENSDDY
>gi|28488213|ref|XP_130605.4| RIKEN cDNA 2610304G08 [Mus musculus]
MSSFSESALEKKLSSELSNSQSVQTLSSLWLHHRKHAGPIVSVHRELKAKSNRKLTFLYLANDVIQNS
KRKGPEFTREFESVLVDAPSHVAREADEGCKKPLERLLNIWQERSVYGGEFIQQLKLSMEDSKSPPPKAA
EEKKSLKRTFQQIQEEEDDDYPGSYSPQDPSAGPLLTEELIKALQDLENAASGDATVRQKIASLPQEVQD
VSLLEKITDKEAAERLSKTVDACLLAEYNGRLAAELEDRRQLARMLVEYTONQKEVLSEKEKKLEEYK
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>gi|23346561|ref|NP_694766.1| hypothetical protein MGC25461 [Mus musculus]
MNRKKVDNRIRILIENTGAERQSRSLFVVVGDRGKDQVVILHMHLSKATVKARPSVLWCYKKELGFSSHRK
KRMRLQKKIKSGTLNLKQDDPFELFVAATNIRYCYNETHKILGNTFGMCVLQDFEALTPNLLARTVET
VEGGGLVVLILLRTMTMDKQLYTMMDVHSRYRTEAHQDVVGRFNERFILSLASCKCLVIDDQDLPLIS
SHVASIEALPPQAPDENLSPAALLELELKEQLDTPQVGVLDCCCTLDQAKAVLKFIIEGISEKTLRSTV
ALTAARGRGKSAALGLAIGAVAFGYSNIFVTSPSPDNLHTLFEFVKGFDAQYQEHLDYEIVQSLNPE
FNKAVIRVNVFREHRTTQYIHPADAVKLGQAEVLVDEAAAIPLPLVKSLGLPYLVFMASITNGYEGTG
RSLSLKLIQQLRQQAQSVSTTAENKTTTTARLASARTLHEVSLQESIRYAPGDAVEKWLNLDLCLDCL
NITRIVSGCLPEACELELYVNRDITFCYHKASEVFLQRLMALYVASHYKNSPNDLQMLSDAPAHHLFCLL
PPVPPTQNALPEVLAVVQVCLEGEISRQSIILNSLSRGKKASGDLPWTVSEQFQDPDFGGLSGGRVRIA
VHPDYQGMGYGSRALQLLQMYEYKGFPCLEKVLQETPQEIIRTVSSEAVSLLEEVIPTPRKDLPLLLKLNE
RPAERLDLYLGVSYGLTPRLLKFWKRAFVPVYLRQTPNDLTGEHSCIMLKTLADEDEAEQGAWLAFAFKD
FRRLRLDLSYQFSTFSPALSLNIIQNRNVAKSALPALGREHLEALFLPYDLKRLEMYSRNMVYHLMD
LIPASIRLYFLNLQGLDLSLAAQSALLLGIGLQHKSVQDLEKEIELPSGQLMGLFNRIIRKVVKLFNDVQ
EKAIEEQMVAVKDVVMETPMKTLSDDLDEAAKEFQEKHKKEVGLKDMDSLQYVIRGDDEEWNEVLSKAG
QNASIVSLKSDKKRKLQETKQEPKQSKKLKRRDNNRDKMKLKRKK
>gi|23621872|ref|XP_131120.2| RIKEN cDNA 1110021E09 [Mus musculus]
MANNSPALTGNSQPQHQAATAAVTQQQQCGGGGATKPAVSGKQGNVPLWGNEKTMNLNPMILTNISS
PYFKVQLYELKTYHEVDEIYFKVTHVEPWEKGSRKTAGQTMCGGVRGVGTGGIVSTAFCLLYKLFTLK
LTRKQVMGLITHTDSPYIRALGFMYIRYTPPTDLWDWFESFLDDEEDLDVKAGGCVMTIGEMLRSLT
KLEWFSTLFRIPVPVQKNIDQQIKTRPRKIKKDGKEGIEIDRHVERRRSRSPRRSLSPRRSPRRSR
SHHREGHGSSSFDRELEVEKERQRLEREAKERERKRRSRSIDRGLDRRRSRSRERHRSRSDRDRKDR
RDRDREREKENERGRRDRDYDKERGSREDRDRERSRERSKEQSRSGDGEEKKHEDKEDRRHRDDKES
KKKHSRSPSRERKHSRSPRNRAGKRSRSDKSSRHKNESKEKANKRSRSGSQGRGTSVEKRRKREHSPSR
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>gi|25060732|ref|XP_131247.3| RIKEN cDNA 2610019N13 [Mus musculus]
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SASSEQMRTLFGFLGKIDELRLFPDDSDPLPVSSRVCFVKFHDPSAVVAQHLTNTVFVDRLIVVPYAE
GVIPDBTKALSLLAPANAVAGLLPGGGLLTPNPLTQIGAVPLAALGAPALDPAALGLPNTLNSQSL
AADQLLKMSTVDPLNHAAGLVSPSLKSDTSSKEIEEAMKRVREAQSLISAAIEPDKKEEKRRHSR
SRSRRRRTPSSSRHRSRSPSRSSRSLKSRSSRRSSKSPRRRRSHSRERGRSRSTSKARDKKEDKEKKR
SKTPPKSYSTARRSRASRERRRRSRSGTRSPKKPRSPKRKLSRSPSPRRHKKEKKDKDKERSRDERE
RSTSKKRSKDKERERKSESDDVKAGDSSL
>gi|28495681|ref|XP_283952.1| similar to KIAA1161 protein [Homo sapiens][Mus musculus]
MSQNLQETSQAYPRHRPGSHAGPKSLKVTPRATMYTFLPDNFSAPKPKTKELRPLLCSAVLGLLLVLA
VVAWCYYSASLRKAERLRAELDLNRGGFSIRNQKEQVFRALAFRSGALDLDSRSDGALLGCSRAADGR
PLHFFITQTVRPKDTVMCYRVRWEAEVPGRAVEHAMFLGDAAHWYGGAEEMRTQHWPIRLDGQEQEPQPFVT
SDVYSSDAAFGGILERYWLSSRAAIKVNDSPVPHLGNWSTERSMRLQARYHDTSYKPPAGRTAAPELSY
RVCVGSVDTSIHXYMVRRYFNKPSRVPASEAFRDPWSTWALHGRAVDQNKVLQFAQQIRQHRFNSSHLE
IDDMYTPAYGDFNFDGKFPNASDMFRRLRDAGFRVTLVWHPFVNYNSSSFGEGERELFVREPTGRIPA
LVRWNGIGAVLDFTHPEAREWFQGHRLRLRLRYNVTSFKFDAGEVSYLPRDFSTYRPLSDPSVWSRRT
EMAEPFFSLAEVRVGYQSQNISCFRLVDRDSVWGYDLGLRSLIPAVLTVSMLGYPFILPDMIGGNVPE
RTAGRQDGPGERELYVRWLEVAEFMPAMQFSIPPWQYDAEVVAIAHKFAALRASLVAPLLLELAGEITD
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DYPVDLDEVAYFTWAS
>gi|28499527|ref|XP_149561.2| similar to SD10769p [Drosophila melanogaster][Mus musculus]
MEGVSAALLASCTAGLAGGLGVTACAAAGVLYRIARRVKPTHMTMNCWFNCNHDTLVPYGNRNCWDCPHC
EQYNGFQENGDNKPIPAQYMEHLNHVSSVSPSRDPAQPPQWVSSQVLLCRRCSHHQTTKIKQLAAFTP
REEGRYDEEIEVYRHHLEQMYKLCRCPQAAVEYYIKHQNRQLRALLLSHQFRRREADQAHGQSFSSSAVK
APFQVILLRALAFLACAFLLFTTLTLYGPSEPFTPGAALPPALPPGNSSAASDNTTSQAEGWQQLGLLPE
HATEKLHEAWAFQSHQTSIVAVGLLTCLLAMLLAGRIRLRIDAFSTCLWALLGLHLAEHYLQAASPG
WLDTLKFSTTSLCCLVGFTAAVATRKSTGPRFRPRRYFSGDSASLFPSSPSLAVPYPSVTSSPASLFI
TPPGFLPLTKQLFRSPRRVSPSSLPGRLSRALSLGTIPPLTRTDSGYLFSGRSPRSPRVSPAGEVSLDY
FSLSSSFPASPLPSPAPSVASSVASSSGSLRHRRLPLISPARLNLKGQKLLLFSSPGEAPNTPSSSEEF
PPNGSLFIESPQLPQRNHTRDTKHTMEMRSMMLARDSARSSHSKKEDESSQSSTCVVDTTTTGCSEETP
WKARVSPSLVRGLLAVSLAVNALFTSAYLYQSLR
>gi|9910440|ref|NP_064382.1| hypothetical protein MNCb-5081 [Mus musculus]
MAENLYRARSRVSPSVLFLHPDMGIGGAERLVLDAALALQEYGCVDKIWTAHYDPNHCFIETRELSVQC
AGDWLPRSLGWGGRGAACISYVRMVFLALYVFLSAGEFDVVVCDQVSACIPVFKLARRRKRVLFYCHFP
DLLLTQRNSALKKFYRAPIDWIEEYTTGMADRILVNSQYTASVFKETFKTLSHRNPDLVLPYSLNIGSFDL
AIEPKIDDLVPKKGKQFLFLSINRYERKKNLPLALRSLVQLRNRLPSQEWKVLHFMAGGYDDRIPENVEH
YKELKMKVQESDLERHVTFLRSFSDRKISLLHGCLCVLYTPSNEHFGIVPLEAMYQCPVIAVNNGGPL
ESIVHKVTGFLCEPDVPVFSEAMEKFIHKPSLKATMGLAGKARVAEKFSADAFADQLYQYVTKLV
>gi|28077005|ref|NP_082631.1| RIKEN cDNA 2810475A17 [Mus musculus]
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VIFHLLLLAVVIIIIISIFNVEFYTVVPSISGSRLALIALRILHPQQLTHSFIHAAMGMAVAWCAAIMTKGQ
YSSLVVPCTGTESLDSPAQTCLNBYHLFFLLSGAFMGYSYSLLYFINNMNYLPFPIIQQYKFLRFRRSL
LLLVLKHSCVESLFMVRNFCIVYFFGHIPKAWISTALDLHTDEQAHRPLDTIGGLNVSLLYHVWLCGVF
LLVTWYSSWILFKIYATEAHVFPQPPFAEASDECLPKVLNSNPPRIVKYLALQDLMLLSQYSPSRRQEV
FSLSQPGGPHNWTIAISRECLNLNDMTQKLVLYQEAATNGRMYSYVPEPKLSSAEETAFTQTPKPSQ
TPSVPLVKTSLSFSPKLSTPNVSSPFGTPTFGSSVNVNRMAGILDVNPFGSPQSPQLIRRGPRLWHTSDQ
QVSAISNPSPCASVTAEGKTVRQPSVIYSWIQNKREQIKNFLSKRVLIMYFFSKHPEASIQAVFSDAQMH
IWALEGLSHLVAASFTEDRFGVVQTTLPAILHTLLTLQEAVDKYFKLPHASSKPPRASGSLVDTSYKTLR
FAFRASLKTAIYRITTTTGEHLNAVQASAEHQKRLQQFLEFKE

>gi|21312110|ref|NP_081113.1| RIKEN cDNA 1110038M16 [Mus musculus]
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HMFVFSESLGIPSLRVIAQKLELLEFDYEIEREPLLFHVFSNAGVMLYRYVLELLQTHQRFRLHVVTI
FDSGPGDSNLIGALRALVLDLIRVLSPNYVVQLYSDRCKFTPTLTSEYVELTDGLYTKSKIKRYGFEIPEFG
ELYLYSRADKVVVSARDVERMVEARLAHQVMVRGVDFVSSAHVSHLRDYPYTYTSLCVDPMHNCVQC

>gi|21311971|ref|NP_083003.1| RIKEN cDNA 4632412I24 [Mus musculus]
MAESEVLHRRAPSRSSWLVRKARPHLLSRGRRRRFVLTVELRRLRRLRAHALGGDWKQVAPAGA
HVAVCKMLRARSRPAPRSPPTPSVPPAPCTASATCSLLNPNRHSTPQSRAGRPRVKVSPNVTQFVRDLGS
GRVLMLPPPEGGFTFSGICRVCTSVYQGLEVYVGHIIQQGQPPQDVFSVYTHSYLTINGVPIAEPEKSEKAI
RREIRALLKPYTKLEDNRNVVRYFPPLGSSIMILERMQSRFVDFLKYKCSSYVLLQENAPVRVNSEFTTL
KKIGIRRQKRKAICLSESGLCALCELVSVCSDGCPVILLCGACDIGKSTFNRIILINQLLNSIPGVDYLE
CDLGQTEFTPPGCVALLTITEPLLGPPYTHQRKPQRMVYVYGMNCYNDYENYIDIVKYVFRDYKREFPLI
INTMGWVSDNGLRLLVDLIRVLSPNYVVQLYSDRCKFTPTLTSEYVELTDGLYTKSKIKRYGFEIPEFG
DNLEFTYEEKESSPLPVFTGHVLLSVHSEFLSSKNEKNRAKYNRIFRDLAVLGYLSQLMLPVPELSPLH
SLTPYQVPFSAVAIRVLHADVAPTHILYAVNASWVGLCRIVDDMKGYTRGPILLAQNPICDCLGFGICRG
IDMDKRTYHILTPLPPEELKTVNCLLVGSSISIPHICFQNQL

>gi|23956106|ref|NP_067278.1| cDNA sequence AF155546; cDNA sequence AF155546[Mus musculus]
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HKDQLSRLKDRDPEFYKFLQENDRSLDFSDSDSSAEEEEPFHSLPDTLEEASETEEDGGEDSDALPRGL
RSKKNFPVPVTLAMVERWRQGSRRHHLTPRLFHEVVQAFRAAVATTQGEQEAETCRFQVADS AVFNALVT
FCIRDLCGLQKLLFGKTPKDSNRLLLPSSSPLWGKLRVDVKSYSLSAVVQLAACLAETVSAAVLQHISS
LVYPYFLTFPKQCRMLLKRMVVVWSTGEESLRVLAFLVLRVCRHKKEAFLGPILKQMYIMYVRNCKFTSP
STLPLISFMQRTLTEMLALDPSVSQYHAFLYIRQLAVHLRNAMTTGKKETHQSVYNWQYVHCLYLWCRVL
STLGSSEILQPLLYPLSQIIIGICKLLPTARFYPLRMHCVRALTLLSQITGTFIPVLPFILEIFQQVDFN
RRPGRMSSKPINFSVILKLSSTNLQEKAYRDGLLEQLCDLILEYLHSQAHSIAFPELVLPVLQKLSFLR
ECKVANYCRQVRQLLEKQVENARHIESLRQSATFSVSDRTAVDAWEKQVREEGTPLTRYGYHKKLRDRE
IQLEISGKERLEDLNFPEIKRRKVEDRKDEDRKELKDLFELDSSEGEDSTDFFERGVPRLPEAHQGLKED
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>gi|20342491|ref|XP_110572.1| RIKEN cDNA 2010310D06 [Mus musculus]
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SLPSESEMAEAQELENQMKERQGLFDEMEAYLPKKNGLYLSVLGNVNVNLLSKQAKFAYKDEYEFKLYL
TIIILIVISFTCRFLNLSRVTDAAFNFLLVWYYCTLTIREILINNGSRIKGWVVFHHYVSTFLSGVMLTW
PDGLMYQKFRNQFLSFSMYQS FVQFLQYQYQSGCLYRLRALGERHTMDLTVEGFQSWMWRLTFLPLFLF
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>gi|23956360|ref|NP_705798.1| hypothetical protein MGC28606 [Mus musculus]
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LPSED TALAGSQGATYKYVWIRHRYHSCCNRLLEELLAHPTFQVKELALKTLMKFVQLEGAKPLEKQWE
SHYLPFRRTLFRVAVGGLLTPEDDHSLLISHFCEYLEYDDIRYHTMQVATSIMARATSQQPEVSLTLWNNA
FTLLSAVSLPLQCELTSLNFYVKAQISLSDKWVHLLKEHKKAFQEMWLGFLKHKLPLSLYKKVLVAMHDSI
LPHLAQPTLMIDFLTSACDVGGAISSLALNGLFILIHKNHLEYDPDFYQKLYGLLDPSIFHVKYRARFFHL
ADLFLSSSHLPAYLVAAFAKRLARLALTAPPEALLMVLPLICNLLRRHPACRVMVHHPPQGPELDADPYDP
TEKDPAARSRALESCLWELQTLQQHYHPEVSKAASVINQVLSVPEVSIAPLLELTAYEIFEQDLKKKMPES
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>gi|28077073|ref|NP_084313.1| RIKEN cDNA 5133401H10 [Mus musculus]
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CTAPAKYTVFDAEGYVKPQSCIDIVIRHVAPVPSHYDVQDRFRIELSEEGTEGRVVRGKDITSVLRAPAY
PLELQGHSEPTPNPGPPVWTGLTPARHLQENAPQQLATSSFLFLLAGVISVAFLLLPQLDELGSQLPQV
LHVS LGQKLVAAYVLGLLTMVLLRT

>gi|28522840|ref|XP_194313.2| RIKEN cDNA 2700094F01 [Mus musculus]
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ASLFSLNALFDFWRYFKYTVAPTSLVVSPGQALLGLKQAVVQTTPPRDLAATQISPSPPSPSIQGGSVL
SYSPSRSPSTSPKFATSCMTGYSPQLQGLSSGGLGSYSPGVTSYSPVSGYNKLASFSLSPSSPYPTTVGPV
ESSGLRARSPTVYNSPTVDKEDYSLDLRLDTFLRSEEEKQHRVKLGSPDSTSPSTSPSTFWNYSRVS
DYAQTLLKKFYQLACRSQAPCANKDEADLISKQAAEEVWARVTMNRQLLDHMSWTAKFRNWISETILVP
LVQIESVSTQMRMGCPQLQIGEASVTSLSQAALVRAPLIPTLNAIVQYLDLTPNQEYLFERIKELSQG
GCMSSFRWNRGGDFKGRKWDTLPTDSAIIMHVFCITYLDSRLPPHPKYPDGKTFTSQHFVQTPNKPVDVN
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E

>gi|28522903|ref|XP_285910.1| hypothetical protein XP_285910 [Mus musculus]
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TTPGYPRLPSPKQALTYQLLQRSADLQQLNALQQVHEGDCPPGLELPMTLLEMEGSQRAQEKLLW
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NIQSSFGQTLRSTQEGKLGQEGPEPSDLASQGLSALQDLSKGLGSGLSQERAAPQTLTPQGHPEETPQG
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HPSDFCKSPEKPIQHVKEGIAGPQGGSTQVTQAAATQEGTWAPPTPPQLQGPEGGILVSEAQERQPRLP
 SALREQRVPRDPKPSKDAWPEPRNREDALASAGQEVLRQLLELNGAARQRRRRDREQQRLREDRAGRQRI
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 >gi|20270295|ref|NP_620096.1| hypothetical protein MGC28965 [Mus musculus]
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 PFKKLVNFIVSDSGAHLVNSWTQEDQNLQELMAALATVGPPNPRADPECCSILHGLVAAVETLCKITEYQ
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 TNFLLNGRSVLLEQPRKSGSKVISHMLSSHGGEIFLHVLSSSRILEDPSPSISEGCGGRVTDYRITDFGE
 FMRENRLTPFLDPYKIDASLEIPLERAKDQLEKHTRYWPMIISQTTIFNMQAVVPLAGVIVKESLTHEED
 VLNCQKTIYNLVDMERKNDPLPVSTVGTRGKGPKRDEQYRIMWNELETIVRAHISNSEKHQVRVLECLMAC
 RSKPPEEEERKKRGRKREDKESQAGKEHTEKARPADRLKGILERGKEELAEAEVIKSDSPDSEPP
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 >gi|20844230|ref|XP_163618.1| hypothetical protein XP_163618 [Mus musculus]
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 >gi|21311845|ref|NP_080922.1| RIKEN cDNA 1300006L01 [Mus musculus]
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 >gi|20886081|ref|XP_150109.1| RIKEN cDNA A330008L17 gene [Mus musculus]
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 >gi|23956396|ref|NP_705820.1| hypothetical protein MGC27952 [Mus musculus]
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 FDQIDENLKLALQQDLTSMAPGLVIQAVRVTKPNIPFAIRRNVELMESEKTKLLIAAQKQKVVEKEAETE
 RKKALIEAEKVAVQVAEITTYGQKVMKEKETEKIIEIDAAFLAREKAKADAECYTALKIAEANKLKLTP
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 >gi|21492616|ref|NP_080950.1| RIKEN cDNA 0610008A10 [Mus musculus]
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 SLGPGTVGIGHGDSPPQFFLNSAFMTLVVIMLVHVGWVVFDDGCEKNKYTYLLTVLLTHLVVSTQTFLSPY
 EVNLVTAYIIMVLMGIWAFYVAGGSCRSCLKFCLLCQDKDFLLYNQSR
 >gi|20860640|ref|XP_125636.1| RIKEN cDNA 1300019N10 [Mus musculus]
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 FLPGDSCSDDLRLHVQWGPTAASPAGRADQELPGLCTPQCASLGLEPGAPSRARARPLQPPRPAQLLLLL
 SCPAFRSHFARLFGADAVDQWHFVSSAPDDAVSEEEEEQDLRALGWFAALLRVQRGAAAEERRGPVTVAP
 LGAVVKGAPLLACGSPFGAFCPDIFLNTLSRGVLSNAAGPLLLTDARCLPGTEGGGVFAARPAAGALVALV
 AAPLCWKAREWVGLTLLCAAAPLLQVARWALARLHPGSASLSVLLPPPVDVSTPRGLPLRDLGPPWAAAV
 LVECGTVWVGSGVVVAPRLVVTCTRHVAPREAAARVLVHSATPKNVAIWGQVVFATQETSPYDIAVVSLEEL
 NGVPTPVPAGHFHEGEPVSVVGFVGFQACGPSVTSGLLSAVVRVDGSPVMLQTTCAVHGGSSGGPLFSS
 GSGDLLGIVASNTRDNNTGATYPHLNFSIPITVLQPALKQYSQTGDLGGLRELDTTEPVRVVRWLQRPL
 SEVPRSKL
 >gi|20866411|ref|XP_137321.1| similar to Inner nuclear membrane protein Man1 [Mus musculus]
 MNLESIDIKLADPGSLSGSLYRSEPAKGRHELESRAPFHARGAAAGARGEVKQLSDEELFSQLRRYGLSPV
 DSIPRYRAGAKKLAPLLSPPSPDGDSTLESPTGPLLKTNNHIGGAGFVDSPLGLYANSLPPGATAAAAPG
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 >gi|25071721|ref|XP_125972.3| RIKEN cDNA 2410117E06 [Mus musculus]
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 SQPGLSGPSSRISIPGYPSSPLPGNPTPMPTPSSNVPMSPSQEVKSPFLPDLKPLGSLSLHPSPASVHCDE
 LRLTFPVRDGVVLEPFLRQHNLAVALSNHVFQLRDSVYKTLMLRPDLELQFKCYHHEDRQMNTNWPASVQS
 VNATPLSIERGDNKTSKPLYLKHVCQPGRNTIQITVTACCCSHLFVLQVLVHRPSVRSVLQGLLKKRLLP
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 NCERGTWRCPCVNKTALLEGLEVDQYMLGILIIYIQNSDYEEITIDPTCSWKVPVPKPDHLHIKEEPPGV
 KRCRTVSPAHVLMPSVMEIADQGAAPFAPLQPPSAPTSPDYSQGSNFMGPGTFPESFPSATPTTN
 LAEFTQGPPPISYQSDIPSSLLTPDKSTPCLPGQMAPAGHLDPAHNPGPPGLHTPNLGPPTGTQLHHPNP
 SPASRQLGQPNTPGISELAFNPASGMMGPPSMTGAGEASEPALDLLPELTNPDELLSYLGPPDLPTNSS
 DDLLSLFENN
 >gi|23956160|ref|NP_080293.1| Dullard homolog [Mus musculus]
 MMRTQCLLGLRTFVAFAAKLWSSFFIYLLRRQIRTVIQYQTVRYDILPLSPLSRNRLAQVKRKILVLDLDE
 TLIHSHHDGVLRLPTVRPGTPPDFILKVVIDKHPVRFVHKRPHVDFFLEVVSQWYELVVFTASMEIYGSA
 VADKLDNSRSILKRRYYRQHCTLELGSYIKDLVSVHSDLSISVILDNPSGAYRSHPDNAIPIKSWFSDPS
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>gi|23956206|ref|NP_081625.1| RIKEN cDNA 2610015J01 [Mus musculus]
MVGKHLGARKDHPGLKLENDENCPTTTTVFVGNISEKASDMLIRQLLAKCGLVLSWKRVQGASGKLQAF
GFCEYKEPESTLRALRLLHDLQIGEKLLVKVDAKTKAQLDEWKAKKKANGNARPETVTNDDEEALDEET
KRRDQMIKGAIEVLIREYSSELNAPSQESDSHPKKKKEKKEDIFRRFPVAPLIPYPLITKEDINAIEME
EDKRDLSIREISKFRDTHKVVFLIFHLIPI

>gi|10946822|ref|NP_067421.1| open reading frame 11 [Mus musculus]
MSRFLNVLRSWLVMVSI IAMGNTLQSFDRDHTFLYEKLYTGKPNLVNGLQARTFGIWTLLSSVIRCLCAID
IHNTLYHITLWTFLLALGHFLSELVFGTAAPTGVGLAPLMVASFSILGMLVGLRYLEAEPVSRQKKRN

>gi|27369682|ref|NP_766088.1| RIKEN cDNA 4831426I19; hypothetical protein 4831426I19 [Mus musculus]
MTTRRGPERPWRQGFERQSRIEWWLHWSEYLLAQDEFYRWFQKMVVALEPPVELQLGLKEKQWQLSHAQ
VLLHNVNDQAVLLDRLLLEAGSLFSRIGDPSVDEDAQKRMKA EYDAVKARAQRRVDLLAQVAQDHEQYRE
DVNEFQLWLKAVVEKVHSCLGRRNCKLATELRSLTLQDIADKDFPRGEESLKRLEEQAQVGIQNTSPLGAEK
ISGELMEMRGVLEKLRVLWLKEEEGRLRGLLQSRGDCEQQIQQLAEELGDFKKSLLQRLAQEGLEPTVKAT
EDELVAQWRLFSGTRAALASEEPRVDRQLQTQLKKLVTFPDLQSLSDSVVATIQEYQSMKGKNTLRHNATR
AELWQRFQRPLNDLQLWKALAQRLDITASLPDLASIHFTLPQIEAALTESSRLKEQLAMLQLKTDLLGS
IFGQERAATLLLEQVTSVRDRDLHNSLLQRKSKLQSLLVQHKDFGVAFDPLNRKLLDLQARIQAEKGLP
RDLPGKQVQLLRQLQGLQEGLDLGTQIEAVRPLAHGNSKHQQKVDQISCDQQALQRSLEDLVDRCCQNVN
EHCTFSHRLSELQWLITMATQTLETSHQGDVRLWDAESQEALETLLSEIPEKEVQVSSLQALGQLVMKKS
SPEGATMVQEELRKLMSWQALRLLEENMLSLMRNQQLQRTVEVDTGKKQVFTNNIPKAGFLINPQDPIPR
RQHGANPLEGHDLPEDHPQLLRDFEQWLQAENSKLRRIITMRVATAKDLRTREVQLQELEARIPEGQHLLF
ENLLRSQAGKGPLQRAGRSALPVDVAVQVQAQGLWPPADREFSGGADCIPEESEAEAVESLLSPTESMPCG
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>gi|28526857|ref|XP_127498.3| expressed sequence AW544865 [Mus musculus]
MAGYKPAIQTYPVLGEKITQDTLXWNNYKTPVQIKEFGAVSKVDFSPQLPYNYAVTASSRIHIYGRYSQ
EPVKTFSRFKDTAYCATFRQDQGLLVAGSEDDGVVQLFDINGRAPLRQFEGHTKAVHTVDFDTADNYHVVS
ADDYTVKLWDIPNSKEILTFKEHSDYVRCGASKLNPDLFVTGSYDHTVKIFDARTNKNVLVEHGQPV
SVLLFPSSGGLLVSAAGRVYKVVWDLKGGQLLVSLKNHHTVTVCLCLSSSGQRLLSGSLDRKVKVYSTSY
KVVHSFYDAAASILSLALSHQDETIVVGMTNGILSVKHKRSEAKKTSLPRRRRPAYRTFIKGNLYLKQRDD
IMVSRPAKKHLEGYDKDLKSFRVQSALDRVLEPKCVIRTPEVTVSIIKELTRRGVLANALAGRDEKEVTR
VLNFLIRNLSQPRFAPVLINAAEIIIDIYLPVIGQSSVVDKKFIVLQELVEKEIDYQRELLETGLGMMMDML
FATMTRNDSDPVPEHVPAELPEEKTESPTQPSDSDKNS

>gi|13384766|ref|NP_079663.1| RIKEN cDNA 1110021D01 [Mus musculus]
MQKDSGPLMPLHYFGFGYAAALVATGGIIGYAKAGSVPSLAAGLFFGGLAGLGAYQLSQDPRNVWVFLATS
GTLAGIMGRFYN SGKFM PAGLIAGASLLMVAKVGISLSSSPHP

>gi|22296589|ref|NP_083179.1| RIKEN cDNA 4933425F03 [Mus musculus]
MDNKAMYLHTVSDRDNNGSIFEEFPDGRSLSKNLNCEDEGPCHKRRAGGCCTQLGSLSALKHVLGLYLLV
LILVGIFILAVSRPRSSPDDLKALTRNVNRLNESLRDMQLRLLQAPLQADLTEQVWKVQDALQNQTDLSL
ALAGLVQRLEGLTWGLHAQAAQTEQATALLRDRGTGQSDSAQLELYQLQVESNRSQLLLQRHAGLLDGLA
RRVGVLGEELADVGGALRNLHNSLSYDVALHSTWLQDLQVLVSNASADTRMRMLVHMDMEMQLKQELATL
NVVTEDLRLKDWHSIALRNIITLAKGPPGPKGDQGNEGKEGKPGSPGLPGSRGLPGERGDPGLPGPKGDD
GKLGATGPMGMRGFGKGRGPKGEKGERGERAGDMDFTMIRLVNGSGPHQGRVEVFHDDRWTVCDDGWDK
KDGDVVCRMLGFHGVVEEYVYRTARFQGTGRITWMDVNCCKGTESIIFHCQFSKWGVNTNCGHAEDAGVTC
TV

>gi|22122545|ref|NP_666167.1| hypothetical protein MGC7730 [Mus musculus]
MAFLKTCSSVCLVLCGRQGVGPWWAILLSSCMSLGNLDDLPPSGKSTKPGAAPTEHKGLVPHNGSLIN
GSLQLRAEQQDSGRLYLENKIHTLELKEESHNRFSATEVTNKTAAEMQELRARLAEAEETARTAEKQK
NQLQRQMDFRRRLTPLHLEMQRIVEKADSWVEKEEPTPSN

>gi|28482013|ref|XP_127968.2| similar to hypothetical protein FLJ11127[Homo sapiens] [Mus musculus]
MEAPRSAPRERERARTTSGSDQVHSWILVTSQVLSAAWRIARAFVMTTSLPLSATFSYFRSLYLYLGHQL
KWWIGYLQRKFKNLSVEAEVDLLSYCAREWKGEAPRARLMRKAYEELFWRHHIKCVRAVKRDNYDALRS
VLFQIFSQGLSFPSPWMKEKDIVKLEKLLFSQGCNWIQQYSFGPEKYTGSNVFGKLRKCVELLKLQVTEA
YEQMTKNKVIPSFLRLLFSRESSPDPLSFMNMHLSIGDTCGLDQIDMFIILGYSLVQVQKIKVFRLFKFN
DFAVCYPEEPLEREWPEISLLTENGHHYHIVF

>gi|28496556|ref|XP_128377.3| similar to Hypothetical protein KIAA0539[Mus musculus]
MRPTGVSSAVTPVLKALWRQVRDRFFHITGPSKDALHLEALALIPFARTKDLHVLMDHLPNTLRTL
KSWTLADSVSAAALAESAEELGSRWKTLLRSCIQWLAVSFSGREPEDENTQEHEKAMLVRLSELLH
AVKEVDPGDWQFVKTKGLKFRYHDLTFLKTLTSATKLLYGPESSGRTKLVQLSVVHMLTQHSFLPTML
SSEETPDSGVKETLDDLSTVRLCPVCQSSHFAVLLGTYSATLSVLDQKILLLLRAYEQNNLSLISFRVLL
WGPAAVEHHKTCRSLGKSLWQQPSVGDI LRLLDPDRMMQTIHFPQYRKLLPTEDTGEPLVFKDKTARV
LDSL YDPCFLLHLFGELTRPEFVVDCKRFLDSNALGLTVAALSSYDPQMRAAAYVLAAYYSHLEGARF
EQSQVLYLLDVVRNGIRTPNLRPLFTVAFI AKAQVILKPEEHMYWKISKFLLSHENLNMDKLP
GFYQFYSSDFQKTEQEWWLEILRQGI RDKHCYELCSRGRGVFHIILSFFNSPLCDEVAQNWILEILQ
NVAHITR SAYEVIRDYSLLTWVLHILES RFVETQLLSNVISLLHTLWVTNLGNKAP EERSQPPGQVGSQ
ESEKMLAL HMVSEFLYVLIALTKHLRPTLASAQLMNFWTLESVLSYRATIIKLFKDMGRFTV
NKNVALSTKDVLIILH KWSLIERDTKLQGLKAVIEQHQA KDLMKMLKDKSRPVVAAQARGPRGRKRRH
GGL EETAEPQLEASCLE KCKDLRATLTHWGPGLDPLPGPTQGSVGTIPKSKTSSAHAASVLSVASWV
LRS LAERPVSRAE VTRLLD WLKSHILPQPMVADLLGDSAVKTGIFKLYNHHC SAQGLVGPAQDVACKF
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>gi|27229251|ref|NP_084221.1| RIKEN cDNA 4122402022 [Mus musculus]
MAFPHLQQPSFLASLKADSINKPFAQRCQDLVKVIEDFPAKELHAVFPWLVESIFGSLDGLVGVN
LRLC LQGRVNPVEYSTAMEFLDPSGPMMLVYKLAEDYNFDFPVSCLPGPVKASIQENVLPDSPLYH
NKVQFP PTGGLGLNLALNPF EYMFYFALSLSQKPM SMTLHVRTSDCAYFTLVDRYLSWFLPTEG
SVPPPLCSSP GGSSPSPAPRTPAMPFASYGLHTSLLKRHISHQTSVNADPASHEIWRSETLLQV
FVEMWLHHYSLEMYQK

MQSPHAKLEVLHYRLTVSSALHSPAQPSSLQALHAYQESFTPTTEHVLVVRLLKHLHAFANSLKPDQASP
SAHSHATSPLEEFKRAAEPRFVQKLYVFLQHCFGHWPLDATFRAVLEMWLSYLQPWRYAPEKQAQGS
QPRCVSEKWAPFIQENLLMYTKLVSFNLRLALRDTLVSPKNALMVFRVAKVFAQPNLAEMIQKGEQLFLE
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KQTAKSISDQYVESPTGRSFLSWLTFGLTDNTSCYPANDLDEIGQDSIRKTDEYLEKALEYLRIFRLSE
AQLAQLTLALGSARDENGKQQLPDCIVGEEGLILTPLGRYQIINGLRRFEIEYQGDLELQPIRSYEITSL
VRALFRLSSAINRRFAGQMAALCSRNDFLGSFCRYHLTEPALSNRHLLSPVGRRQVTNPARGPRLSLRFL
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>gi|22122411|ref|NP_666084.1| hypothetical protein MGC27931 [Mus musculus]
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SNHNRLGHHKPHLALRQVEQCLKRLKHMNLEGSIEDLSQLLSANATQPGATENRVVPSQPVVEVVMKVL
GGCKLLRLDCCCKAFLLTVKHLGLKEFIILNLVMVGLVSRLVWLHKGLLRRLISLYEPLLSLRQEISS
IHPMPYFKDFAFPSDITDFLGPSTLEVFKVKTPAASATKGVTLLNKLFLMREQLPKMNEDTDLRLSKPS
EQMTSNPQSTVDLGQPVKACKRTRKEKPLGFDLRAFCTRLGNKATQETNRDFKYSQSKLTKTKLPSQQLR
THWANDTVQRIRKTKTFAQLSEEIEMAIVWSRSKKLKTQATFLGNKLLKSNRFRHVESQGYSLTKKLQCM
KTSLCNCLLRGSRSTSTSEHPPRQRRSKYKLSRQRKPQRKLQSTLLKETQQVPEGTLNKTRDSSAKRRCS
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LMGV

>gi|20901019|ref|XP_128762.1| RIKEN cDNA 2610318G08 [Mus musculus]
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RLQAKESHQRKRKSEVTGTDQADLLALGTAVGSILLYSTVRGELHSLKLTSGGHENRVNCIQWHQDNDC
LYSCSDDKYIVEWSTQCTCKVKCKWGDNSSVSLCISPDGKMLLSAGRTIKLWVLETKEVYRHFTGHATP
VSSLRFTTIRPNESQPSDGITGLYFLSGAVHDLRLNVQVRSENKEKSAVMSFTVTDEPVYVDLTSENK
EEPVKLAVVCRDQVHLFEHILNGHCKKPLTSNCTIQIATPGKGKKVTPKPIPILAASFCLDKMSLLL
VYGNWFQPTIERVALNSKDTHTICLERDISNCWAPTVETAITKVKTPVMNSEAKVLVPGIPGHHAPIKLPPAQ
PKEAENKRLGSTEATIEERLGAMDLDKGRKDDLQTNFAVLLTQGLESDNDFEILNKVLQTKNVNLIK
TVLRIPLRVVIPLQLVELTKRLQGHFNPSAALMIQWLKCVLTIHASYLSTLPDLVEQLGTLYQLMESRVKTF
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>gi|13385678|ref|NP_080446.1| RIKEN cDNA 1200007D18 [Mus musculus]
MPFDFRRFDIYRKVPKDLTQPTYTGAIISICCLFILFLSELGTGFIITEVNVNELYVDDPKDSGGKID
VSLNISLPNLHCELVLGLDIQDEMGRHEVGHIDNSMKIPLNNGAGCRFEGQFSINKVPGNFHVSTHSATAQ
PQNPDMTHTIHKLSFGDTLQVQNVHGAFFNALGGADRLTSNPLASHDYILKIVPTVYEDKSGKQRYSYQYT
VANKEYVAYSHTGRIIPAIWFRYDLSPITVKYTERRQPLYRFITTICAIIGGTFTVAGILDSCIFTASEA
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>gi|22122563|ref|NP_666187.1| hypothetical protein MGC37253 [Mus musculus]
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LEAQEYIANVTSSPSSRFKAALTWILSSNKDVGIWLGEDPSELATTVDKVVCLSEARPRMGIGCRLSRA
LLTAVTHVLIFFWCLAFVLWGLLILLYKRWKLEEEEQAMYEMVKKIIDVVQDHYVDWEQDMERYPYVGIL
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>gi|20877634|ref|XP_128954.1| RIKEN cDNA 2610307O08 [Mus musculus]
MPYSNLHPAIPRPRGHRSKYVALIFLVASLMILWVAKDPPNHTLKYALHLASHLGLLLKLNLCCLAEEL
CHVQSRYSQGSYWKAVRACLGCPIHCMAMILLSSYFYFLQNTADIYLSWMFGLLVLYKSLSMLLGLQSLTP
AEVSACEEKKLNVAHGLWADSYIIGYLRLLILPGLQARIRMFNLHNNMLSGAGSRRLYILFPLDCGVDPN
LSVVDPNIRFRDMLPQQNIDRAGIKNRVYSNSVYEILENGQPAGVCILEYATPLQTLFAMSQDAKAGFSR
EDRLEQAKLFCRTLEEILEDVPESRNNCRILVYQEPDTGNSFSLSQEVLHRHQEEKEEVTMNAPMTSVA
PPPSVLSQEPRLLISGMDQPLPLRTDLI

>gi|21450083|ref|NP_659110.1| hypothetical protein MGC36325 [Mus musculus]
MSAFSEAALEKKLSELSNQSVQTLSTLWLIHHRKHSRPIVTVWERELRKAKPNRKLTFLYLANDVIQNS
KRKGPEFTKDFAPVIVEAFKHVSSETDESCKHLGRVLSIWEERSVYENDVLEQLKHALYGDKKARKRTY
EQIKVDENENCSSLGSPEPPQTLDLVRLAQDLNAASGDAAVHQRIASLPVEVQEVSLLEKITDKESGE
RLSKMVEDACMLLADYNGRLAAEIDDRKQLTRMLADFLRCQKEALAEKEHKLEEYKRKLARVSLVRKELR
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>gi|20884659|ref|XP_129087.1| RIKEN cDNA 3110041O18 [Mus musculus]
MTSREASQAPLEFGGPLGVAALLILLPATMFHLLLAARSGPARLLALPAYLPGLEELWSPWALLLLFIWL
GLQVALYLLPARKVAEGLELKDKSRLRYPINGFQALVLTALLMGLGVSVGLPLGALPGMLPLAFATTLT
SFIFSLLLYAKALVAPASALAPGNGSGNSMYDFFLGRLELNPRLGSFDFKYFCELRPGLIGWVFINLALLM
QEAELRGSPSLAMWLVNGFQLLYVGDALWYEEVLTMTDIIHDGFGFMLVFGDLAWVPFTYSLQAQFLLY
HPQPLGLPMALLICLLKVIYGYIFRGANSQKNTFRKNPSDPSVAGLETIPTATGRQLLVSGWGMVRHPN
YLGDLIMALAWSLPCGLSHGSLPSRAIPSAALLLRPLLHCTAGAPRGQR

>gi|21703976|ref|NP_663471.1| similar to DKFZP586B1621 protein [Mus musculus]
MSSKMNVSVEGCADDALAGLVASNPDQLLQGHVALRSDLDLTKGRVALLSGGSGGHEPAHAGFIGKG
MLTGVIAGSVFASPPVGSILAAIRAVAQAGTVGTLLIVKNYTGDRLNFLGLAMEQAKAEGISVEMVIVEDD
SAFTVLKKAGRRGLCGTVLIHKVAGALAEEMGLEEITKRVSVIAKTMGTGLGVSLSSCSVPGATHTFELA
ADEIELGLGIHGEAGVRRIKIAPVDQIVTLMLDHMTNTSNIFHVPVRSSSSVVLIVNNLGGLSFLELGII
ADAAIRLLEGRGVKVARALVGTFMGVSLSLTLMLVDEPVLKIDAETTAKAWPHMAKVSVTGRKRI
RAAPTEPPEAPEATAAGGVTSKQMALVLDRICTTLIGLEEHLNALDRAAGDGDGCGSTHSRAAKAIQGWLK
EGPSLTPAQVLSRLSVLLLERMGSSGALYGLFLTAAQPLKAKTDLPTWSAAMDAGLESMQKYGKAAP
GDRTMLDSLWAAAEQFQAWKSPGASLLPVLTAKVKSAAAAEATKNMEAGAGRASYISSAQLDQDPDGAV
AAAAIFRAILEVLQTQGA

>gi|27370264|ref|NP_766428.1| hypothetical protein 4832416E03 [Mus musculus]
MPPLLLLPPIYMLLFFRVSPSTISLQEVHVNRETMGKIAVASKLMWCSAAVDILFLLDGSHSIGKGSFERS
KRFAIAACDALDISPGRVRVGALQFGSTPHLEFPLDSFSTRQEVKESIKGIVFKGGRTTETGLALKRLSRG
FPGGRNGSVPPQILIIIVTDGKSQGPVALPAKQLRERGIIVFAVGVRFPWRDELLTLASEPKDRHVLLAEQV

EDATNGLLSTLSSALCTTADPDRCRVEPHPCERRTLETVRELAGNALCWRGSRQADTVLALPCPFYSWKR
VFQTHPANCYRTICPGPCDSQPCQNGGTCTIEGVDRYHCLCPLAFGGVEVNCAPKLSLECRIDVLFLLDSS
AGTTLGGFRRAKAFVKRFVQAVLREDSRARVGIASVGRNLMVAVPVGEYQHVPDLIRSLDSIPFSGGPTL
TGSALLQVAEHGFGSASRTQDRPRRVVLLTESRSQDEVSGPAAHARARELLLLGVGSEILQAEVLKIT
GSPKHVMVHTDPQDLFSQIPELQRRRLCSQPRPGCQAQSLDLVFLLDASASVGRENAFQMOSFIRKCTLR
DVNPVDVTQVGLVVGYSRVQTAFLDTHPTRAAVLRAMSQAPYLGGVGSAGTALLHIEDKVMTVQRGARPG
VPKAVMLTGSSGAEDAAVPAQKLRNGISVLVMSVGAVLREAVRRLAGPRDSLHVAAYTDLPHYQDML
IEWLCRSQAASQPLQAEPMEH

>gi|27680997|ref|XP_219484.1| similar to RIKEN cDNA 1300006L01 [Mus musculus] [Rattus norvegicus]
MYASMSDCLIKTIRSEGYFGMYRGAAVNLTLVTPKAIKLAANDFFRHQLSKDGQKLTLPKEMLAGCGAG
TCQVIVTTPMEMLKIQLQDAGRIGKEEETRDPFSPAQRKMLAAQAQLATQGGGQPSVEAPAAPRPTATQ
LTRDLLRNHGIAGLYKGLGATLLRDVPFSIVYFPLFANLNLGRPSSEKSPFYVSFLAGCVAGSAAAVA
VNPCDVVKTRLQSLERGVNEDTYSGLDLCARKIWRHEGSAFLKGAYCRALVIAPLFGIAQVVFYFLGIAE
SLLGLLQEPQA

>gi|27686925|ref|XP_226713.1| similar to hypothetical protein FLJ12787 [Homo sapiens] [Rattus norvegicus]

MAGYKPVVIQTYPVLGEKITQDTLYWNNYKTPVQIKEFGAVSKVDFSPQPPYNYAVTASSRIHIYGRYSQ
EPVKTFRSRFKDTAYCATFRQDQGLLVAGSEdGVVQLFDISGRAPLRQFEHGTKAVHTVDFTADKYHVVS
ADDYTVKLWDIPNSKEILTKEHSDYVRCGCASKLNPDLFVTGSYDHTVKMFDARTNKNVLCVEHGQPVE
SVLLFPSSGGLLVSAGGRYVKVWMDMLKGGQLLVSLKNHHKTVTCLCLSSSGQRLLSGSLDRVKIYSTTSY
KVVHSFDYAASILSLALSHQDETIVVVGMTNGILSVKHKRSEAKKESLPRRRRPAYRTFIKGIYTKQRDD
IVVTRPAKKHLEWYDRDLKSFRIKSKALDRVLEPNVCVKTPEVTVSIIKELNRRGVLANALAGRDEKEITR
VLNFLIRNLSQPRFAPVLINAAEIIIDIYLPVIGQSSVVDKKFIVLQGLVEKEIDYQRELLETGLMMDML
FATMTRNGSAPVWEHVPALPEEKTESPRQPSDTDKNS

>gi|27688689|ref|XP_226886.1| similar to hypothetical protein FLJ11127 [Homo sapiens] [Rattus norvegicus]

MTALSLSATLSYFRSLYLGLHQLKWWIGYLQRKFKRNLVSVEAEVDLLSYCAREWKGETPRARLMRKAY
EELFWRYHVKCVRPVKRDNYDALRSVLFQIFSQGLSFPSWMKEKDIVKLEKLLFSQGCNWIQQYSFGPE
KYTGSNVFGKLRKCEVLEKLQWTEFGSMRDYHKGSMCNSLSDAILECKLYEALKFLMLYQVTEVYEQM
KTNKIVPSLFRLLFSRESSPDPLSFMMNHLNSIGDTCGLDQAPWMPGCTKLAYAGLCSGDDRLSSHIGGM
YGVLPFSMRINETLTPTLYLSYCVWLRAARVGECKAGALELRFSEGKF

>gi|27694972|ref|XP_227591.1| similar to hypothetical protein FLJ10330 [Homo sapiens] [Rattus norvegicus]

MANNSPALTGNSQPQHQAASAAVQQQCGGGGATKPAVSGKQGNVPLWGNEKTMNLNPMILTNILSSP
YFKVQLYELKTYHEVVDEIYFKVTHVEPWKEGSRKTAGQTGCMCGVVRGVGTGIVSTAFCLLYKLFTLKL
TRKQVMGLITHDTPYIRALGFMYIRYTQPTDLWDWFESFLDDEEDLDVKAGGCGVMTIGEMLRSLTK
LEWFSTLFPRIPVVQKNIDQIKTRPRKIKKDGKEGVEEIDRHIERRSSSLCSTCPLQSPVPLVTVLCF
WEPNRIQFPAVLCCCVRAVANKMAGRPEKHLPLIRFTLLCLKMVISSKTAPEIPTIDQAYSISNSITVE
WTTVPGATSYLLTAEDGDTTIIETTVANSPTVTGLKAATLYQITIRSVSASGRSPASPPKQAKTVLAAP
LEVSSPSPDSILVSWDAVYMAIGFVSVMQANGLGRWKENTNTSLTFSSLDAGTLYTIKAYAWNANGI
PGDDSTRNQRTSPRAPANIQVFFDSGALKASVSWTPSEGAFFNYTVVAWSGSSQSRSCSTALSSCSIGSLQC
GTEYLISVSANNDAGCSKSSSAPTLKTVACAPGRVMIQEPPGHLVAVSNVELGDYYVAFVKSDDGLEV
HCNTSLTQCNFLSECGFTYFISVFAYNKAGQSPGLDVFNYTTAPCCPSDISPVLVSSDRVEIAWSPVRGA
ELYETKAIAGYSVVACNDTAPACTLSALDCDTKYNVTVYSFSEVRGSNLSCSSHFTTAPCSPEIKNISK
DAFSMINVHWRSTNEGATYTVTAQGGKGLFRCSSTGETCRMGLPCGSVFSVTAVAETQAGKSLPSYSVP
LETVPCCPAGLTAAQVTQSIINVSWTIGAVAQTYVTVLESYIGQSKCHTHQNHCLLGCACGINYTVALK
AISPTGLTADCAQYSYSSSVCCPLGVKLYRLGPNIRIYWQASRGSANYSTDLYGSKGIFTCAPHTGLSF
CDITNIPCGDVYTVMVSVAETGLKLTFCPKKIYSDTIYAVK

>gi|27703111|ref|XP_230334.1| similar to hypothetical protein MGC25461 [Mus musculus] [Rattus norvegicus]

MALYVASHYKNSPNDLQMLSDAPAHHLFCLLPVPPTQNALPEVLAVVQVCLEGELSRSQSILNSLSRGKK
ASGDLLPWTVSEQFQDPDFGGLSGGRVVRIVVHPDYQGMGYGSRALQLLQMYEGRFPCLLEKVLTEPQE
IHTVSEAVSLLEEYVTRKDLPLLLKLNERPAERLDYLGVSYGLTPRLLKFWKRAGFVVPVYLRQTPNS
KLLVLLMVAIVAYRLGLQLRPEADVWKGPELKKNDLTGEHSCIMLKTLADEDEAERGAWLAFAWTFDFFFF
FLALLSYQFSTFSPALSLNI IQNRNI AKSAPPVLGREHLEALFLPYDLKRLEMYSRNMVDYHLIMDLIPA
ISRLYFLNLQGLDALSAQAALLLGMGLQHKHSVDQLEKEIELPSGQLMGLFNRIIRKVVKLFNDVQEKAI
EEQMVAVKDVVMEPTIKTSLDSDLDEAAKEFQEKHKKDVGKLDMDLSQYIIRGDDEEWNEVLSKAGQNAS
IVSLKSDKKRLETKQEPKQSKKLKSGNNRDKTKLKRKK

>gi|27704394|ref|XP_230798.1| similar to Protein C20orf77 homolog [Rattus norvegicus]

MSSFSESALEKKLSELSNSQSVQTLSTLWLIHHRKHAGPIVSVWHRELKAKSNRKLTFLYLANDVIQNS
KRKGPEFTREFESVLVDAPFSHVAREADGCKKPLERLLNIWQERSVYGGEFIQQLKLSMEDSKSPPPKGL
ATRVCAGVLDALAEYRGVKNNCAPQGAIPDVGSVGSFGVWILFAAAEKKSLKRTFQQIQEEEDDDYP
GSYSPQDPSAGPLLTEELIKALQDLENAASGDATVRQKIASLPEQEVQDVSLEKITDKEAAERLSKTVDE
ACLLLAEYNGRLAAELEDRRLARMLVEYTQNKQEVLESEKKEKLEFRPDLHLEQPSSKMQCFCACECRYMR
YSGLGPHSCLASAVPEYKQKLARVTQVRKELKSHIQSLPDLSSLPNVTGGIAPLPSAGDLFSTD

>gi|27707228|ref|XP_231194.1| similar to CG13293-PA [Drosophila melanogaster] [Rattus norvegicus]

MSSGGAEDDIPQGERKTVTDFCYLLDKSKQLFNGLRPELVVKKLRYARFIVVCLLLNKMDVVKDLVKEL
SDEIEDYTHRFNTEDQVEWNLVLQVAAAFIEADPVMVLNDDNTIVITSNRLAETGAPLLEQGMIVGQLSL
ADALIIGNCNNQDKFSELTVDMMFRLQALEREPMNLASQMNKPGIQEPADKPTRRENPHKYLKYKPTFSQ
LYTFLAASFELPANSVLLIYLSNATGVFPTRSDGEGPYDFGGVLTNSNRDIINGDAIHKRNQSHKEMHC
LHPGLDLPYFTRKPLFIIVDSSNSAYGNFTNLFGQPLVCLLSPTAYPKALQDQSQRGSLFTLLNNPLMA
FLFVSGLSMMRRGLWEKQCEYLRKINRDIAQLLTHSRSIDQAFLOFFGDEFLRLLLTRFVFCSATMRMHK
AFRETRNYPESYPQLPRDETVENPHLQKHILELASILDVRNIFFENSMDDY

>gi|27709446|ref|XP_231568.1| similar to hypothetical protein FLJ14803 [Homo sapiens] [Rattus norvegicus]
MNLVKEKEQKLALASLFLSNALFDFWRYFKYTVAPTSLVSPGQQTLLGLKPAVVQTTPPRDLAATQISPS
PPSPSIQGGQSVLSYSPSRSPSTSPKFAFTSCMTGYSPQLQGLSSGGLGSYSPAVTYSVPVSGYSKLASFSL
PSSPYPTTVGPVESSGLRARSPTATYNSPTDKEDYMTDLRLDTFLRKASVTSLKQAALVKAPLIPTL
NAIVQYLDLTPNQEYLFERIKELSQGGCMSSFRWNRGGDFKGRRWDTDLPTDSAIIMHVCTYLDLRLPP
HPKYPDGKTFTSQHFVQTPNKPDPVTNENVFCVYQSAINPPHYELIYQRHVYSLPKGRNNMFHTLLMFLYI
IKTKESGMLGRVNLGLSGVNILWIFGE

>gi|27714517|ref|XP_232987.1| similar to hypothetical protein MNCb-5081 [Mus musculus] [Rattus norvegicus]
MAENLYRTRSRVYSPSVLFLHPDMGIGGAERLVDAALALQEYGCQVKIWTAHYDPNHCFIETRELSVQC
AGDWLPRSLGWGGRGAAICSYVRMFLALYVFLSGEEFDVVCDQVSACIPVFKLARRRKRVLFYCHFP
DLLLTQRNSSLKKFYRAPIDWIEEYTTGMADRILVNSQYTAASFKEFKTFLSHRNPDLVLYPSLNLGFSFDL
AVPEKIDDLVPKKGQFLFLSINRYERKKNLPLALSSLVQLRARLPPQEWKVLHFMAGGYDDRVLENVEH
YKELKKIVQESDLERHVTFLRSFSDRQKISLLHGCLCVLYTPSNEHFIVPLEAMYMQCPVIAVNSGGPL
ESIVHKVTGFLCEPDPVHFSEAMEKFIHKPSLKATMGLAGKARVAEKFSADAFADQLYQYVTKLV

>gi|27662674|ref|XP_233684.1| similar to SD10769p [Drosophila melanogaster] [Rattus norvegicus]
MEGVSALLASCPTAGLAGGLVGTACAAAGVLYRIARRVHFGFAPGAQFSAHHCPCATAHTPPVLVFI
TVSAFGETEVFQTVFSVHRVKPHTMTMNCWFNCNHDTLVPYGNRNCWDCPHCEQYNGFQENG DYKNKPIPAQ
YMEHLNHVSVSPSPRDPAPQPVVSSQVLLCRKCSHHQTTIKQLAAFTPREEGRYDEEIEVYRHHLEQ
MYKLCRCPQAAVDYIYKHQNRQLRALLSHQFRRREVDQAHGQSFSSSAMKAPFQVILLRALAFLACAF
LSTALYGPGEPTPGAALPPALPPGNGSSAASDNATSAEGWQQLGLLPEHATEKLHEAWAFQGSHTG
IVAVGLLTCLLAMLAGRIRLRIDAFSTCLWALLGLHLAEHYLQAASPGWLDLTKFSTTSLCCLVGFT
AAVATRKATGPRRFRPRSKQQLFRSPRRVSPSSLPGRLSRALSGTIPSLTRTDSGYLFGSGRPPSRVSP
AGEVSLSDYFSLSSSP
TPSSSEHSPNGSLFIDPQLQRNTRDTKHTVDRSMLARDSAHSNGHSIKKEDESSQSTCIVDTT
KGCSEETTPWKARVSPSLVRGLLAVSLNALFTSAYLYQNL

>gi|27663154|ref|XP_233702.1| similar to RIKEN cDNA 4632412I24 [Mus musculus] [Rattus norvegicus]
MAESEVMLRRVPSRSSWQVRVKARPHLLSRGRRRFGVLTRGELRRLRRRLRAHALGGDWKLGVPAGA
HVAPAHAEERPARALHPGRVMQPAQSPKPFHAPKPGRAPGPKGVAEHHPHVLRLGPRVADATARRDTVG
DLTITVLTPIILRMQVGGKSLILLLRSLTCELLMGVYWHGFTFSGICRVTCIYQLEIYGHIIKQGGP
PQDVFSVYTHSYLTINGVPYSEPEKSKGIRREIRALLKPYMKLGNWLTLPDDSKRELVMFWMLCSKSSQ
GHHDRNWVVRYPPLGLSILILRLQLTRLVDFLRTYKASVYLLQENILVRDNSEFVALNKIGIRRK
GICLSESGLCALAEELISVSCGPPYTHQRKPQKMVYFGKTNCHNEYENYIEIVKYVFRDYKREFPLIINTM
GWVSGDLTLLVLRVLSPNYVQLTSDRSEPMQPLTSEFVELTDGLYTKSKIKRYRGFEIPEFGDSL
FAEEKESSPVVFTGHILLTVYSEFLSSKNEKNRGKYNRIFRDLAVLGYLSQLMLPVTEPLCPLHSLTP
YQVPFNAVAIRVTHADVAPTHILYAMNASWGLCKIVDDMKGYTRGPILLAQNPICDCLGFGICRGIDMD
KRLYHILLTPLPEELRTVNCLLVGTISIPHCIFKNQVWSHKCPNM

>gi|27663586|ref|XP_233726.1| similar to cDNA sequence AF155546; cDNA sequence AF155546 [Mus musculus] [Rattus norvegicus]
MAVSRCPRRRLAELTVDEFASGFSESESESELEDIKEPAAKEKKQRAVANREQGAHTSPSFIDTHFLS
LHKGRASEHKDQLSRLKDRDPEFYKFLQENDQSLNFSDDTVEEEQFHSPLDRLEETSETEEDGGGD
SDTLPRGLQRKKNEPVPVTLAMVERWKQAMHHLTPKLFHEVVQAFRAAVATTQGDQEAPECTCRFQVTD
AVFNALVTFCIRDLCGLQKLLFAKTVDKSSRMMLPSSSPLWGKLRVDVKTYLSAVVQLVASLAEATVSA
AVLQHISSLVPYYLTFPKQCRMLVKRMIVLWSTGEESLRLVLAFLVLKVCRRKKESFLGPILKQMYIMYV
RNCKFTSPSTLPLISFMQRTLTELLALDPSVSYQHAFLYIRQLAVHLRNAMTTGKKETYQSVYNWQYVHC
LYLWCRVLSALGSSEVLQPLLYPLSQIIIGCIKLLPTARFYPLRMHCVRALTLSSQTVGTFIPVLPFILE
VDFNKRPRGMSSKPIFNSVILKLSNLTQEKAYRDGLLEQLYDLIMEYHLGQAHSAFPELVLPVTLQK
SFLRECKVANYCRQVRQVLLKLFVGTQENAEHIRSLRQVTFVSVDQLAVDAWEKKVREEGTPLTRYSHWKKL
RDREIQLEISGKERLEDLNFPEIKRRKVEDRKDEDRKELKDLFELDSSEGEDSTDFFERGVPGLLESHRG
MKEGGQEEHEKEDSDSSSEDGDTDGTGVDLSELWQLAQGPQDELEDLQLEED

>gi|27665688|ref|XP_234304.1| similar to CGI-86 protein [Homo sapiens] [Rattus norvegicus]
MGFEFWMLALCALLLLVGLLSFLWLDSLTLLRAAWMGQCPEQALADKVWITGASSGIGEELAFQLSK
LGVCLVLSARRGQELERVKRRCLENGNLKEKDILVLPDLADTSSHDIAKTTLVLEFGRIDILVNNGGIV
HASLFENTNLDVFKVLEIENYVFGTVSLTKCVLPHMMERKQKIVVMNSLVGIVPNPLCSGYIASKFALRG
FVGALRTELFDYPGIRLSTICPGHVHSNIFQNFITGEFTKTRLPFIPLFMMETSRVCQLILVSLANDLEE
VWIANQPVLLRAYVWQYVFRDWLLQGCYGYISKALGITCVCFSVYTRASDPLHFPSEKSLKGDIDPE
KCSHDEVNKDLIELYSEAVSLTNSLLYQIMEKKQGKLVSVLPGHLSMDTVKHALWGRQPKLNFDGTKLR
AYRAIHHEWEREPYWIWAWPFCDCIAQNAYVTLGCMATHVQP

>gi|27667056|ref|XP_216756.1| similar to open reading frame 11 [Mus musculus] [Rattus norvegicus]
MSRFLNVLRSWLVMVSIAMGNTLQSFDRDHTFLYEKLYTGKPNLVNGLQARTFGIWTLLSSVIRCLCAID
IHNKTYHITLWTLFLALGHFLSELVFGTAAPTGVGLAPLMVASFSILGMLVGLRYLEAEVPSRQKKRN

>gi|27717295|ref|XP_234559.1| similar to hypothetical protein [Homo sapiens] [Rattus norvegicus]
MVKIEFSHRSGCDLINLAKKRTNIIPVIEDARHPHKYCMLIAMVAKPDQTRIVALNAHTFLRNGGHFVIS
IKANCIDSLASAEAVSASEVKTQMPENVEPQEQLTLEPRERDHTVVISLIESNSVVIHGHATGSGKSTQL
PQYVLDHYGTQSAFCNIVVTQPRKLGASSIARWISKERSWTGLGLVGYQVLEKTATEDTRLIYMTTGV
LQKIVSAKSLMEFTHVFIDEVHERTEEMDFLLLVVRKLLRTNSRFVKVILMSATINCKQFADYFAVPVQN
KMNPVAVFEVEGKPHTEIQYYLNDLGHIIYHSGLPPYRLEEPVITKDVYEVAVSLIQMFDDLDMKESGNKT
WSGAQFVRSRSSLVFLVLPVTELTTPAVTYELTTPAVTYELTTPAVTYELTTPAVTYELTTPQSPMSSHSPLQSPM
SSHSPQLQSPMSSLTPAVTTLTPAVTYELTTPAVTYELTTPAVTYELTTPAVTYELTTPAVTYELTTP
PAVTYELTTPAVTYELTTPAVTYELTTPATGLYDNLVLRSKDFSSDLERDLGFLPREMTGSRHARRG
VCKHAASSSCTVPLAIIILPGCVLTLVFMVIDFCLTRTLVCEDEDTNYQSLRLSWASKTSCDQRKGRAGR
VSKGYCYRLIHRDFWDSAIPDHVPEMLRCLPGSTVLKVKLLDMGEPRALLATALSPPSLSIDIERTILL
KEVGALAVSGQREDENPHDGELTFLGRVLAQLPVSQQLGKLIIVLGHVFGCLDECLIAAALSILKNFTMP

FRQHLDGYRNKVFHSGSSRSDDLALVEAFRAWQACRQRGELRHPKDELDWGRNLNYIQIKRIREVAELYEE
LKNRISQFNMFDPRHPVLDQEYYPYKQRFILQVVLGAFYPNYFTFGQPDDEEMAVRELAGRDPKTTTVVLK
HIPPYGFLYYKQLQSLFRQCGQVKSIVFDGAKAFVEFSRNPTERFKTLPVAVNLAVKMSQLKVSLELSIHA
AEEIEGKVQGGSVSKLRNTRVNVDFQKQTVDFPMQVSNFTLDRPRTVADLLLTVDVTEVALCVHTLLQLQA
LCVHTLLQLVALCAHTLLQVVEVGHFWGYRIDERNAELLRLQTAENRLELVPLPIHPHPDLVCLAPFT
DYNKESYFRAQILYVSGNSAEVFFVDYGNRSHVDLDDLREIPCQLELPPQALEFKICKMRPSAKSLICG
EHWSGGANGRFAALVSGCPPLLKVFISIVHSLVHVDVYRSGAQDAVNIRDVLIREGYAEAEESYESKQS
YEVLKGFFAKSVDTMPDGSVSSPMKDDEKHLIQILLESFASNRLGAPNCKAVLHGFNPNPYELKCHSLTRI
SKFRCVWIEKESINSVVISDSPAHLHQRLVAASLSVNETGSTMLLRETSLMHPHPIGLPALLSMLFAPVM
ELRVDREGKCYTGVLCGLGWNSTTEAPILPEHDIELAFDVCFNVEDIVEINILRAAINKLACDGPBGPKY
LGPERIAQLQENARQKLLGLFCRLKPREKITPQWHEKPYEWNQVDPRLVIEQAEREKGPGKSTCLYQLHT
PVLSP

>gi|27671086|ref|XP_234768.1| similar to LD30416p [Drosophila melanogaster] [Rattus norvegicus]

MFCGRNWILHGVIIHYLFQFTVGPKLHALFIPAHAEDTVFLTINKEDPDIFQLVSVKLPKSTSRNVEAKE
LTFVLDYINKSPKSIAGFNGEGYVAVRDFYLSVYFLKKKKTCNFTLPSTKNKNARNKFTCVACHPKED
CIASGHMDGKIRLWRNFHDDKLYTYTCLHWHHDMVMDLAFTVTGTSLLSGGQECVLVEWRDGEKNEKFL
PRLGSAIEHISVSPAGDLFTSHSDNKITVIHRNLDASAVIQGLVKDRSISTGLMVDPRTKALVLNGKPG
HLQFYSLQSDKQLYNLDIIQVEYINDQGLIIELTKAAGFCSGSWLATVEQRQENENELELQMKLWNYSK
KTQGFVLNTKISMPHDDHITALCFNNAENYEKPILVASRDGHFKVWVLTDDSDIYKKAIGWTCDFVGSY
HKYQATNCCFSEDGSLLAVSFEEIVTIWDSSETWELKCTFCQRAKIRHLFCGRLTCSKYLLGTENNLLC
CWNLLSCSMQWSAKLNRVMEADPYSDHIAAVARSSEGSDFVFKPSEPRPLYIQKNVSREKVQWGVFVP
RDVPESTSEAHQWLNRSQFYFLTESQCLLTFSTKYAEKLTPTSKQLLAEESLPTTFFSFLGKHRQQQ
DTKSTETSESELVQLPLTENIPATELHHTPAHVLPSASFCLTLFVNSLLLSKETKSAAEISDDVDMEGN
EESDDSDDEEYDLTEKAKETSNPDLEGDAIHQLSKSEKELRKFRKVDYSWLTAL

>gi|27717667|ref|XP_234929.1| similar to RIKEN cDNA 3100002P13 [Mus musculus] [Rattus norvegicus]

MLEEAGEVLNVLKASCLPLGFVFLPAVLLLVAPPPLAADAHEFTVYRMQQYDLQGGQPYGSLCAQEMA
ISMLPTGKSGQQVHIRLLPWGTRNAVLTARTVDADVLSRRCVLMRLLDYSYEHYQKALRQSAGAVII
LPRAMAAPQDVVRQFMEIEPEMLAMETVVPVYFAVEDEALLSIYEQTQAASASQGSASAAEVLLHTATA
NGFQVMYTSQAQSAQVSDWLITSVEGSSEGISQSVTVGGQARLQCHGQPCRPVHCMIVYGILGRLTGLG
GEDLPTIVIVAHYDAFGVAPWLSLGADSNNGSGISVLEELARLFSRLYTYKRTHAAWSRSGHRTGHRHSFK
SHEAALFLLTMDMSVPYQHQWPHSALAALCDSGQSAVQAMDNLGSAWLWFPDWYNLLFFASGGGKFNY
QGTWRWLEDSDHTGKPGWVVEVPDDGLDNVAFVLCCLDTVGRGSHLRHLVSKPPREGTLQHVFLELEMV
AAHQFPDVSFMSVHKKINLADDVLWEHERFAIRRLPAFTLSHLENHRAGPRSSIMDVRSRVDSKTLTRN
TRIIAEALTRVIYNLTEKGTPDMPVFTEQMVOVQEQIDSVMDWLTNQPRAAQLLDKDGTFSTLEHFLS
RYLKDVQRQHHVKADKRDPFVFYDQLKQVMNAYRVKPAIFDLLALCIGAYLGMAYTAVQHFHVLYKTVQ
RLLLKAKAQ

>gi|27718701|ref|XP_235233.1| similar to hypothetical protein FLJ30668 [Homo sapiens] [Rattus norvegicus]

MELHSLPKRNSPVGPCNAVEWSSGDSGDHTEEAALRASLCYEKNLTSTPRADVIEVCGLSSTPTSPTSL
FQDNATQGTGFFSPGPPDSGNNQVLADRKVCNCCSQELETSTFTYVDENVNLEQRSQRSPSAKDNHHPGDLG
WGNPNEWSHEAAISLMSEDDDDTSSSEATSSGKSVDYGFISAILFLVTGILLVVISYIVPREVTVDPTVA
AREMERLEKESAMLAGHLDRCVIAGLCLLTLGGVVLSCLLMMSMWKGELYRRNRFASSKESAKLYGSFNF
RMKTSTNEDTLELSLVEEDAFVQS

>gi|27663300|ref|XP_235527.1| similar to GM13517p [Drosophila melanogaster] [Rattus norvegicus]

MNARVARACWAGSWGRRPASSLREPPPPDAVDVAGLLRDSSVTEEGVQEAARRPPSRCSVLLFPQGGSQ
AVGMGGGLLHFPVRVQLYEAHRVLGYDLLELCLRGQEDLDRTVHCQPAVVFASLAAVEKLHHLQPAVI
ENCVAAGFSVGEFAALVFAGAMEFAEGLYAVKVRAEAMQEAASEAVPSGMLSVLGQRQSNFSFACLEAQE
HCRSLGIENPVCQVSNYLFPCRVISGHLEALQFLRKNSAKFHRRTKMLPVSGGFHTCLMEPAVEPLMK
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>gi|27721269|ref|XP_243957.1| hypothetical protein XP_243957 [Rattus norvegicus]

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>gi|27668460|ref|XP_213272.1| similar to RIKEN cDNA 1200007D18 [Mus musculus] [Rattus norvegicus]

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>gi|27672973|ref|XP_213339.1| similar to Dullard homolog [Mus musculus] [Rattus norvegicus]

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>gi|27690880|ref|XP_221193.1| similar to FLJ00039 protein [Homo sapiens] [Rattus norvegicus]

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>gi|27665302|ref|XP_221266.1| similar to RIKEN cDNA 4122402022 [Mus musculus] [Rattus norvegicus]
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>gi|27670274|ref|XP_221669.1| similar to Hypothetical protein KIAA0539 [Rattus norvegicus]
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 >gi|27663614|ref|XP_213738.1| similar to RIKEN cDNA 5133401H10 [Mus musculus] [Rattus norvegicus]
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 norvegicus]
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 >gi|27701964|ref|XP_224332.1| similar to cDNA sequence BC021530; hypothetical protein MGC38539;
 hypothetical protein, BC021530; cDNA sequence, BC021530 [Mus musculus] [Rattus norvegicus]
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