>Humans | NP\_004514.2 kinesin-like protein KIF11 [Homo sapiens]

MASQPNSSAKKKEEKGKNIQVVVRCRPFNLAERKASAHSIVECDPVRKEVSVRTGGLADKSSRKTYTFDM

VFGASTKQIDVYRSVVCPILDEVIMGYNCTIFAYGQTGTGKTFTMEGERSPNEEYTWEEDPLAGIIPRTL

HQIFEKLTDNGTEFSVKVSLLEIYNEELFDLLNPSSDVSERLQMFDDPRNKRGVIIKGLEEITVHNKDEV

YQILEKGAAKRTTAATLMNAYSSRSHSVFSVTIHMKETTIDGEELVKIGKLNLVDLAGSENIGRSGAVDK

RAREAGNINQSLLTLGRVITALVERTPHVPYRESKLTRILQDSLGGRTRTSIIATISPASLNLEETLSTL

EYAHRAKNILNKPEVNQKLTKKALIKEYTEEIERLKRDLAAAREKNGVYISEENFRVMSGKLTVQEEQIV

ELIEKIGAVEEELNRVTELFMDNKNELDQCKSDLQNKTQELETTQKHLQETKLQLVKEEYITSALESTEE

KLHDAASKLLNTVEETTKDVSGLHSKLDRKKAVDQHNAEAQDIFGKNLNSLFNNMEELIKDGSSKQKAML

EVHKTLFGNLLSSSVSALDTITTVALGSLTSIPENVSTHVSQIFNMILKEQSLAAESKTVLQELINVLKT

DLLSSLEMILSPTVVSILKINSQLKHIFKTSLTVADKIEDQKKELDGFLSILCNNLHELQENTICSLVES

QKQCGNLTEDLKTIKQTHSQELCKLMNLWTERFCALEEKCENIQKPLSSVQENIQQKSKDIVNKMTFHSQ

KFCADSDGFSQELRNFNQEGTKLVEESVKHSDKLNGNLEKISQETEQRCESLNTRTVYFSEQWVSSLNER

EQELHNLLEVVSQCCEASSSDITEKSDGRKAAHEKQHNIFLDQMTIDEDKLIAQNLELNETIKIGLTKLN

CFLEQDLKLDIPTGTTPQRKSYLYPSTLVRTEPREHLLDQLKRKQPELLMMLNCSENNKEETIPDVDVEE

AVLGQYTEEPLSQEPSVDAGVDCSSIGGVPFFQHKKSHGKDKENRGINTLERSKVEETTEHLVTKSRLPL

RAQINL

> Sus scrofa | DN125747.1 1139617 MARC 4PIG Sus scrofa cDNA 3', mRNA sequence

GKTFTMEGERSPNEEYTWEEDPLAGIIPRTLHQIFEKLTDNGTEFSVKVSLLEIYNEELF DLLNPSSDVSERLQMFDDPRNKRGVIIKGLEEITVHNKNEVYQILEKGAAKRTTAATLMN AYSSRSHSVFSVTIHMKETTVDGEELVKIGKLNLVDLAGSENIGRSGAVDKRAREAGNINQSLLTLGRVITALVERTPHVPYRESKLTRILQDSLGGRTRTSIIATISPASLNLEETLSTLEYAHRAKNILNKPEVNQKLTKKALIKEYTEEIERLKRDLAAARK

>Mus Musculus | sp|Q9QXL1|KI21B\_MOUSE Kinesin-like protein KIF21B OS=Mus musculus OX=10090 GN=Kif21b PE=1 SV=2

MAGQGDCCVKVAVRIRPQLSKEKIEGCHICTSVTPGEPQVLLGKDKAFTYDFVFDLDTWQ

EQIYSTCVSKLIEGCFEGYNATVLAYGQTGAGKTYTMGTGFDTVTSEEEQGIIPRAIAHL

FRGIDERKRRAQEKGVTGPEFKVSAQFLELYNEEILDLFDSTRDPDARHRRSNIKIHEDA

NGGIYTTGVTSRLINSQEELIQCLKQGALSRTTASTQMNVQSSRSHAIFTIHLCQMRVCA

QPDLVNETVTGLPDGAAPTGTEYETLTAKFHFVDLAGSERLKRTGATGERAKEGISINCG

LLALGNVISALGDQSKKVVHVPYRDSKLTRLLQDSLGGNSQTIMIACVSPSDRDFMETLN

TLKYANRARNIKNKVVVNQDKTSQQISALRAEIARLQMELMEYKAGKRVIGEDGTEGYSD

LFRENAMLQKENGALRLRVKAMQEAIDAINNRVTQLMSQEANLLLAKAGDGNEAIGALIQ

NYIREIEELRTKLLESEAMNESLRRSLSRASARNPYSLGASPAGPAFGGSPATSMEDASE

VIRKAKQDLERLKKKEVRQRRKSPEKEAFKKRAKLQAENSEETDENEAEEEEEERDESGC

EEEEGREDEDEDSGSEESLVDSDSDPEEKEVNFQADLADLTCEIEIKQKLIDELENSQRR

LQTLKHQYEEKLILLQNKIRDTQLERDRVLQNLSTMECYTEEKANKIKADYEKRLREMNR

DLQKLQAAQKEHARLLKNQSRYERELKKLQAEVAEMKKAKVALMKQMREEQQRRRLVETK

RNREIAQLKKEQRRQEFQIRALESQKRQQEIVLRRKTQEVSALRRLAKPMSERVAGRVGL

KPPNMDSGAEVSASTTSSEAESGARSVSSIVRQWNRKIDHFLGDRPTATVNGGRPARKKF

QKKGASQSFSKAARLKWQSLERRIIDIVMQRMTIVNLEADMERLIKKREELFLLQEALRR

KREHLQAESPEEEKGLQELAEEIEVLAANIDYINDSITDCQATIVQLEETKEELDSTDTS

VVISSCSLAEARLLLDNFLKASIDKGLQVAQKEAQIRLLEGRLRQTDMTGSSQNHLLLDA

LREKAEAHPELQALIYNVQHENGYASTDEEVSEFSEGSFSQSFTMKGSTSHDDFKFKGEP

KLSAQMKAVSAECLGPPLDSSTKNITKSLASLVEIKEDGVGFSIRDPYYRDKVSRTVSLP

TRGSTFPRQSRGATDTSPLTRRKSYDRGQPIRSTDMGFTPPSSPPTRPRNDRNVFSRLTS

NQSQGSALDKSDDSDSSLSEVLRGIITPIGGAKGARTAPLQCISMAEGHTKPILCLDATD

ELLFTGSKDRSCKMWNLVTGQEIAALKGHPNNVVSIKYCSHSGLVFSVSSSYIKVWDIRD

SAKCIRTLTSSGQVISGDACIATSTRAITSAQGEHQINQMALSPSGSMLYVASGNAVRIW

ELNRFQPIGKLTGHIGPVMCLTVTQTSNQHDLVVTGSKDHYVKMFQLGDCVTGTIGPTHN

FEPPHYDGIECLAIQGDILFSGSRDNGIKKWDLDQQELIQQIPNAHKDWVCALAFVPGRP

MLLSACRAGFIKVWNVDNFTPIGEIKGHDSPINAICTNSKHIFTASSDCRVKLWNYVPGL

TPCLPRRVLAIKGRAPPCPDLPPPPLTLPILPFPVFPPPRSELLLHVT

> Xenopus tropicalis | sp|B2GU58|KIF11\_XENTR Kinesin-like protein KIF11 OS=Xenopus tropicalis OX=8364 GN=kif11 PE=2 SV=1

MSSQNSFMSSKKDDKGKNIQVVVRCRPFNQLERKASSHSVLECDAPRKEVCVRTGGINDK

LGKKTYTFDMVFGPAAKQIDVYRSVVCPILDEVIMGYNCTVFAYGQTGTGKTFTMEGERS

ADEEFTWEQDPLAGIIPRTLHQIFEKLSENGTEFSVKVSLLEIYNEELFDLLSPSPDVGE

RLQMFDDPRNKRGVIIKGLEEVSVHNKDEVYHILERGAARRKTASTLMNAYSSRSHSVFS

VTIHMKETTVDGEELVKIGKLNLVDLAGSENIGRSGAVDKRAREAGNINQSLLTLGRVIT

ALVERAPHIPYRESKLTRILQDSLGGRTKTSIIATVSPASINLEETVSTLEYANRAKNIM

NKPEVNQKLTKRALIKEYTEEIERLKRDLATAREKNGVYLSNENYEQLQGKVLSQEEIIT

EYTEKITAMEEEIKRINELFAENKKELEECTTILQCKEKELEETQKNLHESKEQLAQEAF

VVTALETTEKKLHGTANKLLTTVRETSKDVSGLHAKLDRKRAVDQHNTQVHENFAEQMDK

RFSVIERSVDEYSVKQQGMLDFYTNSIDNLLGASSAALSVTATAVAKSFTSVQETVSEKV

SHSVDEILKQETLSSQAKDDLQKLMAAHRTGLEQALRTDLLPVVTAVLNLNSHLSHCLQN

FQAVADKIDSHKEEMNSFFTEHSRSLHRLRLDSGSALSSIQSEYESLKVEIETAQSMHSE

GVNNLIGSLQNQLNLLAMETQQNFSGFLAKGGKLQKSVGCLQQDLDSISSDAIEHTSSHH

DKFAGQSQDIAVEIRQLAASNMGTLEESSKQCEKLTGSINAISRESQHWCESASQQIDSL

LEEQVCYLRTSKKHLQSLQKDVEVGCGASVVEITEHVNAQRQAEEKALTSLVEQVRDDKE

MLGEQRLELHEQVQSGQNKVNSYLNEELRNDVPTGTTPQRRDYVYPSLLVRTKPRDVLLE

QFRQQQQEYLESISSVISEAVEPPVEQDSLEDEPPVAVNDSVMSEKSCIDLSMVCQENGG

VPFFQQKKALRKEKENRANTTLLERSKIMDEAEQSLPKSKLPLRMQN

> Dictyostelium discoideum | sp|Q6S001|KIF11\_DICDI Kinesin-related protein 11 OS=Dictyostelium discoideum OX=44689 GN=kif11 PE=3 SV=1

MNENISVSVRARPFNEKEVKDKEHCLWQFGNNNTITSLPPPITQPVSSLPPISTPIKSSS

SSSTSTSAGSLKTPLKTPLKTPLKTPLKTNSTTTNTTVPASPAPTSSLTSKFVSNSYTYD

HLFPPTCDNYEVYDTVARELVKSAMEGYNASIMAYGITSSGKTFTMTGSGKKNPGIIPLS

IQDIFTYIQECKEREFLLRVSYLEIYNETVNDLLGVNQENFNLKIHEHPVTGVYVAGLKE

EIVLSVEHVLSLISAGEAHRHVGSTSYNLQSSRSHTIFKMIIESKEVLPEGSGSGGLESP

VRYSTLNLIDLAGSEKASESTISAIRNKEGSYINKSLLTLGTVISKLSEKDTGYIPYRDS

KLTRVLQNSLSGNSRVAIICTITLASNNFEESHNTLKFASRAKKISNNAKVNEILDDKAL

LKQYRNEIAELKSKLSDALSTEKELQETLTEKEKMKITNQELLHKLVDAEKHRSLLESKI

NNLNKLILVSTSVNNSASKGGSGSGNGNGSRSTFVSPSQNSHHHHGDLGSITPNSFSNLL

LQSPSQNNNNNSHISPLSQSTSSLTIGGGSGNGFESNELIQIQSKMAKLELELEEKNKKI

DFLTSFNQDSALEKIKQLEGELVQRDMDLGLYQRESTRLQTLLSHKDEKISSLESKLRDI

LLKFKQIDSENTSLKSKIQEYEVMY

>Rat | tr|F1MAB8|F1MAB8\_RAT Kinesin family member 11 OS=Rattus norvegicus OX=10116 GN=Kif11 PE=1 SV=1

MASQPSSSSKKKEEKGKNIQVVVRCRPFNLAERKANAHSVVECDHARKEVSVRTAGLTDK

TSRKTYTFDMVFGASTKQIDVYRSVVCPILDEVIMGYNCTIFAYGQTGTGKTFTMEGERS

PNEVYTWEEDPLAGIIPRTLHQIFEKLTDNGTEFSVKVSLLEIYNEELFDLLSPSSDVSE

RLQMFDDPRNKRGVIIKGLEEITVHNKDEVYQILEKGAAKRTTAATLMNAYSSRSHSVFS

VTIHMKETTIDGEELVKIGKLNLVDLAGSENIGRSGAVDKRAREAGNINQSLLTLGRVIT

ALVERTPHIPYRESKLTRILQDSLGGRTRTSIIATISPASLNLEETLSTLEYAHRAKNIM

NKPEVNQKLTKKALIKEYTEEIERLKRDLAAAREKNGVYISEESFRAMNGKVTVQEEQIA

ELAEKIGVLEEELSKAAELFTDSEKELNQCKSDLQTKTQELETTQKHLQETKLQLVKEEY

VSSALERTEKKLHETASKLLNTVKETTRDVSGLHSKLDRKRAIDAHNAEAQESFGRSLSS

LFNNMEELIRDGSEKQKAMLDVHKALFGNLMSSSVSALDTISTTALESLMSIPENVLARV

SQISDMILEEQSLAAQSKTVLQGSIDELVTNLFTSLKTIIAPGVVSILNINRQLQHIFRA

SVTMAEKVEDQKREIDSFLSILCNNLHELRENTVSSLVESQKLCGNLTEDLKTIKETHSQ

ELCQLSSSWAERFCALEKKYANIQKPLNSIQENTERKSTDIINKTTVHSKKILADSDGLL

QELRHFNEEGTQLVEDSVGHCGSLSSNLETVSQEITQRCGTLNTSTVHFSDQWASCLSKR

KEELQNLMEFVNGCCEASSSEITEKIRGHRAAIESQHSSFVVQITSDEEKFKAGSLELDK

TIKTGLTKLNCFLQQDLKLDIPTGMTPERKNYLYPSTLVRTEPREQLLDQLQKKQPKPLM

MLNCSESSKETSQDMEEDREVLEQSTEELVSQEPCVHTSADCSSSGGVPFFQHKKPHGKD

KENRGLNPVEKGKVEEASEHSISKSRLPLRASINLC