

Product datasheet for TP515374

Kif16b (NM_001081133) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse kinesin family member 16B (Kif16b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215374 representing NM_001081133 Red=Cloning site Green=Tags(s)

MASVKVAVRVRPMNRREKDLEAKFIIQMEKSKTTITNLKIPEGGTGDSGRERTKTFTYDFSFYADTKSP
DYVSQEMVFKTLGTDVVKSAFEGYNACVFAYGQTGSGKSYTMMGNSGDSGLIPRICEALFSRINETTRWD
EASFRTEVSYLEIYNERVRDLLRRKSSKTFNLRVREHPKEGYPYVEDLSKHLVQNYSDVEELMDAGNINRT
TAATGMNDVSSRSHAFITIKFTQAKFDAEMPCEVSKIHLVDLAGSERADATGATGVRLKEGGNINKSLV
TLGNVISALADLSQDAANPLVKKKQVFPYRDSVLTWLLKDSLGGNSKTIAMIATISPADVNYGETLSTLR
YANRAKNIINKPTINEDANVKLIRELRAEIARLKTLLAQGNQIALLDSPALSMEELKHQNEARVQELTK
EWTNKWNETQNILKEQTLALRKEGIGVLDSELPHLIGIDDDLLSTGIILYHLKEGQTYVGREDASTEQD
IVLHGLDLESEHCVFENAGGTVTLIPLRGSQCSVNGVQIVDATQLNQGAVILLGRTNMFRFNHPKEAAKL
REKRKSGLLSSFSLMTDLSKSCENLSAVMLYNPGLFERQQRREELEKLESKRKLIEEMEEKQKSDKAEL
ERMQQEVETRRKETEIVQRQIRKQEEESLKRFSHIENKLDLLAEKERFEEERLREQQGLEQQRREEES
LFRIREELRKLQELNSHEQAQEVQIFQELDRHQEQNAQSAKLRLEKRRLEEEKEQVQVVAHLEEQLRK
RQDTAPLLCPGEAQRAQEEKRELESIREALLQAKEMRAGGDHTCRDELERAQQYFLEFKRRQLVKLASLE
KDLVQQKDLSKEVQEEKVALEHVKCDAGGDPFLATDDGNILGGPPDLDKIKTAETRLQSREHQLQDLL
QNHLPALLEEKQRVLDALDSGVLGLDTTLCQVEKEVGEKEEQIAQYQANASQLQLRATFEFTANVARQE
EKVRRKEKEILESQEQQREALEQAVAKLEQRRSALQRCSTLDLEIQEQRQKLGSLHTSEWSGWQASLET
DGEALEMDPARLEHEIHQLKQKICEVDGVQRPHHGILEGQAVLSSLPPSGGNSHLAPLMDARISAYIEEE
VQRRHLHRAIGDANHTPADVMKSNEELHNGTTQRKLYERMYSRSLGTNRDDLKDPKISIPRYVLCG
QGKDEHFEFEVKISVLDETWTVFRYSRFREMHKTLKLYAELAALEFPPKFLGNKDERVVAERRTHLE
KYLREFFSVMLQSETSPLHINKVGLTSLKHTICEFSPFFKGVFDYSSHGTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	150.1 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001074602
Locus ID:	16558
UniProt ID:	B1AVY7
RefSeq Size:	5446
Cytogenetics:	2 G1
RefSeq ORF:	3936
Synonyms:	8430434E15Rik; AA623607; AI789011; C80253; C80902; mKIAA1590
Summary:	Plus end-directed microtubule-dependent motor protein involved in endosome transport and receptor recycling and degradation. Regulates the plus end motility of early endosomes and the balance between recycling and degradation of receptors such as EGF receptor (EGFR) and FGF receptor (FGFR). Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. [UniProtKB/Swiss-Prot Function]