

Product datasheet for **TP324930**

KIF4B (NM_001099293) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens kinesin family member 4B (KIF4B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224930 representing NM_001099293 Red =Cloning site Green =Tags(s)

MKEEVKGIPVRVALRCRPLVPKEISEGCMCLSFVPGETQVWVGTDKSFTYDFVDFPCTEQEEVFNKAVA
 PLIKGIFKGYNATVLAYGQTGSGKTYSMGGAYTAEQENEPTVGIIIPRVIQLLFKEIDKKSDFEFTLKVS
 LEIYNEEILDLLCPSREKAQINIREDPKEGIKIVGLTEKTVLVALDTVSCLEQGNNSTRTASTAMNSQSS
 RSHAIFTISIEQRKSDKNCSFRSLHLVDLAGSERQKKTAEGRDLKEGININRGLLCLGNVISALGDD
 KKGFSVPYRDSKLTRLLQDSLGGNSHTLMIACVSPADSNEETLSTLRYADRARKIKNKPIVNIDPHTAE
 LNHLKQQVQQLQVLLLQAHGGTLPGSINAEPSENLSLMEKNQSLVEENEKLSRCLSKAAGQTAQMLER
 I
 ILTEQVNEKLNKLEELRQHVACKLDLQKLVTLEDQELKENVEIICNLQQLITQLSDETVACTAAIDT
 AVEEEAQVETSPETSRSSDAFTTQHALHQAQMSKEVVELNNALALKEALVRKMTQNDNQLQPIQFYQD
 N
 IKNLELEVINLQKEKEELVRELQTAKKNVNQAKLSEHRHKLLELEGQIADLKKKLNEQSKLLKLKESTE
 RTVSKLNQEIWMMKNQRVQLMRQMKEDAERFRQWKQKDKKEVIQLKERDRKRQYELLKLERNFQKQS
 SVL
 RRKTEAAAAANKRLKDALQKQREVTDKRKETQSHGKEGIAARVRNWLGNIEVMVSTEEAKRHLNDLLED
 RKILAQDVVQLKEKKESRENPPPKLRKCTFSLSEVHGQVLESEDCITKQIESLETMEELRSAQIADLQKQ
 LLDAESEDPRKQCWENIATILEAKCALKYLIGELVSSKIHVTKLENSLRQSKASCADMQKMLFEEQNHS
 EIETELQAEVRMEQQHQEKVLYLVSQLQESQMAEKQLEKSASEKEQQLVSTLQCQDEELEKMRVCEQN
 QQLLQENEEIKQLILLQVASRQKHLPNDTLLSPDSSFYIPPKPKPSRVKEKFLEQSMIEDLKYCSEH
 SVNEHEDGDGDSDDEGDEWKPTKLKVSRLNIQGCSCGWCGNKQCGCRKQKSDCGVDCSDPT
 KCR
 NRQQGKDSLGTVEQTQDSEGSFKLEDPTVTPGLSFFNPVCATPNSKILKEMCDMEQVLSKKTAPAPSPF
 DLPESKHGATEYQQNKPPGKKKKRALASNTSFFSGCSPIEEEAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

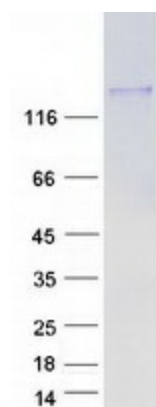
Tag: C-Myc/DDK



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Predicted MW:	139.9 kDa
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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_001092763</u>
Locus ID:	285643
UniProt ID:	<u>Q2VIQ3</u>
RefSeq Size:	4426
Cytogenetics:	5q33.2
RefSeq ORF:	3702
Summary:	This gene is an intronless retrocopy of kinesin family member 4A. The protein encoded by this gene is a microtubule-based motor protein that plays vital roles in anaphase spindle dynamics and cytokinesis. [provided by RefSeq, Jul 2016]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified KIF4B protein (Cat# TP324930). The protein was produced from HEK293T cells transfected with KIF4B cDNA clone (Cat# [RC224930]) using MegaTran 2.0 (Cat# [TT210002]).