

Recombinant Human KIF4B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KIF4B-4363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KIF4B MS Standard C13 and N15-labeled recombinant protein (NP_001092763) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	139.9 kDa
AA Sequence	MKEEVKGIPVRVALRCRPLVPKEISEGCMCLSFVPGETQVVVGTDKSFTYDFVFDP CTEQEEVFNKAVAPLIKGIFKGYNATVLAYGQTGSGKTYSMGGAYTAEQENEPTVGI IPRVIQLLFKEIDKKSDFEFTLKVSYLEIYNEEILDLLCPSREKAQINIREDPKEGIKIVGL TEKTVLVALDTVSCLEQGNNSTVASTAMNSQSSRSHAFITISIEQRKKSDKNCSFR SKLHLVLDLAGSERQKKTKAEGDRLKEGININRGLLCLGNVISALGDDKKGSFVPYRD SKLTRLLQDSLGGNSHTLMIACVSPADSNLEETLSTLRYADRARKIKNKPIVNIDPHTA ELNHLKQQVQQLQVLLLQAHGGTLPGSINAEPSENQLSLMEKNQSLVEENEKLSRC LSKAAGQTAQMLERIILTEQVNEKLNKLEELRQHVACKLDLQKLVTLEDQELKENV EIICNLQQLITQLSDETVACTAAIDTAVEEEAQVETSPETSRSSDAFTTQHALHQAQ MSKEVVVELNNALALKEALVRKMTQNDNQLQPIQFYQDNIKNLELEVINLQKEKEEL

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VRELQTAKKNVNQAKLSEHRHKLLQELEGQIADLKKKLNEQSKLLKLKESTERTVSK
LNQEIWMMKNQRVQLMRQMKEDA EKFRQWKQKKDKKEVIQLKERDRKRQYELLKLE
RNFQKQSSVLRRKTEEEAAAANKRLKDALQKQREVTDKRKETQSHGKEGIAARVRN
WLGNEIEVMVSTEEAKRHLNDLLED RKILAQDVVQLKEKKESRENPPPKLRKCTFSL
SEVHGQVLESEDCITKQIESLETEMELRSAQIADLQQKLLDAESED RPKQCWENIATI
LEAKCALKYLGELVSSKIHVTKLENSLRQSKASCADMQKMLFEEQNHFSEIETELQA
ELVRMEQQHQEKVLYLVSQLQESQMAEKQLEKSASEKEQQLVSTLQCQDEELEKM
REVCEQNQQLLQENEIHKQLILLQVASRQKHLPNDTLLSPDSSF EYIPPKPKPSRVK
EKFLEQSM DIEDLKYCSEHSVNEHEDGDGDGDSDEGDDEEWKPTKLVKVS RKNIQ
GCSCKGWCGNKQCGCRKQKSDCGVDCSCDPTKCRNRQQGKDSLGTVEQTQDSE
GSFKLEDPT E VTPGLSFFNPVCATPNSKILKEMCDMEQVLSKKTAPAPSPFDLPESK
HGATEYQQNKPPGKKKKRALASNTSFFSGCSPIEEEAHTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KIF4B kinesin family member 4B [Homo sapiens (human)]

Official Symbol KIF4B

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Synonyms	KIF4B; kinesin family member 4B; chromosome-associated kinesin KIF4B; chromokinesin-B
Gene ID	285643
mRNA Refseq	NM_001099293
Protein Refseq	NP_001092763
MIM	609184
UniProt ID	Q2VIQ3
SDS-PAGE	