

Recombinant Human KIF11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KIF11-2211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KIF11 MS Standard C13 and N15-labeled recombinant protein (NP_004514) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a motor protein that belongs to the kinesin-like protein family. Members of this protein family are known to be involved in various kinds of spindle dynamics. The function of this gene product includes chromosome positioning, centrosome separation and establishing a bipolar spindle during cell mitosis.
Molecular Mass	119 kDa
AA Sequence	MASQPNSSAKKKEEKGKNIQVVVRCRPFNLAERKASAHSIVECDPVRKEVSVRTGG LADKSSRKTYTFDMVFGASTKQIDVYRSVVCPIIDEVIMGYNCTIFAYGQTGTGKTFT MEGERSPNEEYTWEEDPLAGIIPRTLHQIFEKLTGTEFSVKVSLLEIYNEELFDLLN PSSDVSERLQMFDDPRNKRGVIIKGLEEITVHNKDEVYQILEKGAARKRTAATLMNAY SSRSHSVFSVTIHMKETTIDGEEELVKIGKLNLDLAGSENIGRSGAVDKRAREAGNIN QSLTLGRVITALVERTPHVPYRESKLTRILQDSLGGRTRTSIIATISPASLNLEETLST LEYAHRANKNILNKPEVNQKLTKKALIKYEETIERLKRDLAAAREKNGVYISEENFRVM SGKLTVQEEQIVELIEKIGAVEEELNRVTELFMDNKNELDQCKSDLQNKQTQELETTQK HLQETKLQLVKEEYITSALESTEEKLHDAASKLLNTVEETTKDVSGLHSLDRKKAVD

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QHNAEAQDIFGKNLNSLFNNMEELIKDGSSKQKAMLEVHKTFLFGNLLSSSVSALDTIT
TVALGSLTSIPENVSTHVSQIFNMILKEQSLAAESKTVLQELINVLKTDLLSSLEMILSP
TVVSILKINSQKHFKTSLTVADKIEDQKKELDGFLSILCNNLHELQENTICSLVESQK
QCGNLTEDLKTIKQTHSQELCKLMNLWTERFCALEEKCENIQKPLSSVQENIQQKSK
DIVNKMTHFSQKFCADSDGFSQELRNFNQEGTKLVEESVKHSDKLNNGNLEKISQET
EQRCESLNTRTVYFSEQWVSSLNEREQELHNLLEVVSQCCEASSSDITEKSDGRKA
AHEKQHNIFLDQMTIDEDKLIAQNLELNETIKIGLTKLNCFLEQDLKLDIPTGTTPQRKS
YLYPSTLVRTEPREHLLDQLKRKQPELLMMLNCSENNKEETIPDVDVEEAVLGQYTE
EPLSQEPSVDAGVDCSSIGGVPPFQHKKSHGKDKENRGINTLERSKVEETTEHLVTK
SRLPLRAQINLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 KIF11 kinesin family member 11 [Homo sapiens (human)]

Official Symbol KIF11

Synonyms KIF11; kinesin family member 11; kinesin like 1, KNSL1; kinesin-like protein KIF11; Eg5; HKSP; TRIP5; TRIP-5; kinesin-like protein 1; TR-interacting protein 5; kinesin-like spindle protein HKSP; kinesin-related motor protein Eg5; thyroid receptor-

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interacting protein 5; EG5; KNSL1; MCLMR;

Gene ID 3832

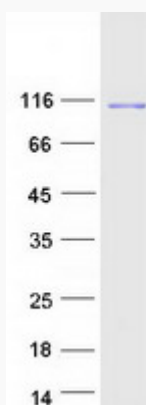
mRNA Refseq NM_004523

Protein Refseq NP_004514

MIM 148760

UniProt ID P52732

SDS-PAGE



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