

Recombinant Human KIF3A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KIF3A-4485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KIF3A MS Standard C13 and N15-labeled recombinant protein (NP_008985) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	KIF3A (Kinesin Family Member 3A) is a Protein Coding gene. Diseases associated with KIF3A include Polycystic Kidney Disease 2 With Or Without Polycystic Liver Disease and Usher Syndrome, Type I. Among its related pathways are Organelle biogenesis and maintenance and Signaling by GPCR. Gene Ontology (GO) annotations related to this gene include ATPase activity and microtubule binding. An important paralog of this gene is KIF3B.
Molecular Mass	80 kDa
AA Sequence	MPINKSEKPESCDNVKVVVRCRPLNEREKSMCYKQAVSVDEMrgtITVHKTDSSNE PPKtFTFDtVFGPESKQLDVYNLTARPIIDSVLEGYNgtIFAYGQTGTGKtFTMEGVR AIPELRGIIPNSFAHIFGHIKAEGDTRFLVRVSyleIYNeeVRDLLGKDQQRLEVKE RPDVGvYIKDLSAYVVNNADDMDRIMTLGHKNRSVGATNMNEHSSRSHAIFTITIEC SEKGIDGNMHVRMGKLHLVdLAGSERQAKTGATGQRLKEATKINLSLSTLGNVISAL VDGKSTHVPYRNSKLTRLLQDSLGGNSKTMMCANIGPADYNYDETISTLRYANRAK NIKNKARINEDPKDALLRQFQKEIEELKKKLEEGEEISGSDISGSEEDDDEEGEVGED

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GEKRKKRRGKKKVSPDKMIEMQAKIDEERKALETKLDMEEEEERNKARAELEKREKD
LLKAQQEHQSLLLEKLSALEKKVIVGGVDLLAKAEEQEKLLEESNMELEERRKRAEQL
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EIEGLLENIRQLSRELRLQMLIIDNFIPRDYQEMIENYVHWNEDIGEWQLKCVAYTGN
NMRKQTPVPDKKEKDPFEVDLSHVYLAYTEESLRQSLMKLERPRTSKGKARPKTGR
RKRSAPETVIDSLLQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 KIF3A kinesin family member 3A [Homo sapiens (human)]

Official Symbol KIF3A

Synonyms KIF3A; kinesin family member 3A; kinesin-like protein KIF3A; kinesin family protein 3A; microtubule plus end-directed kinesin motor 3A;

Gene ID 11127

mRNA Refseq NM_007054

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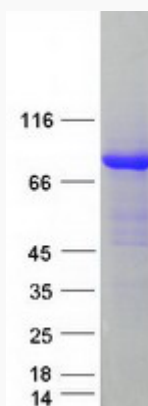
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Protein Refseq NP_008985

MIM 604683

UniProt ID Q9Y496

SDS-PAGE



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