

Recombinant Human KIF5C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KIF5C-3946H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KIF5C MS Standard C13 and N15-labeled recombinant protein (NP_004513) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a kinesin heavy chain subunit involved in the transport of cargo within the central nervous system. The encoded protein, which acts as a tetramer by associating with another heavy chain and two light chains, interacts with protein kinase CK2. Mutations in this gene have been associated with complex cortical dysplasia with other brain malformations-2. Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene.
Molecular Mass	109.3 kDa
AA Sequence	MADPAECSIKVMCRFRPLNEAEILRGDKFIPKFKGDET VVIGQGKPYVFDRVLPNTT QEQVYNACAKQIVKDVLEGYNGTIFAYGQTSSGKTHTMEGKLHDPQLMGIIPRIAHDI FDHIYSMDENLEFHIKVSYFEIYLDKIRDLLDVSKTNLAVHEDKNRVPYVKGCTERFV SSPEEVMDVIDEGKANRHVAVTNMNEHSSRSHSIFLINIKQENVETEKKLSGKLYLVD LAGSEKVSKTGAEGAVLDEAKNINKSLSALGNVISALAEGTKTHVPYRDSKMTRILQD SLGGNCRTTIVICCSPSVFNEAETKSTLMFGQRAKTIKNTVSVNLELTAE EWKKKYEK EKEKNKTLKNVIQHLEMELNRWRNGEAVPEDEQISAKDQKNLEPCDNTPIIDNIAPVV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AGISTEEKEYDEEISSLYRQLDDKDDEINQQSQLAEKLLKQQMLDQDELLASTRRDY
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 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 KIF5C kinesin family member 5C [Homo sapiens (human)]

Official Symbol KIF5C

Synonyms KIF5C; kinesin family member 5C; kinesin heavy chain isoform 5C; kinesin heavy chain neuron-specific 2; kinesin, heavy chain, neuron-specific; KINN; NKHC; NKHC2;

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NKHC-2; FLJ44735; KIAA0531; MGC111478;

Gene ID 3800

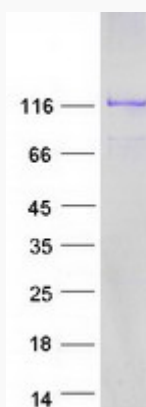
mRNA Refseq NM_004522

Protein Refseq NP_004513

MIM 604593

UniProt ID O60282

SDS-PAGE



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