

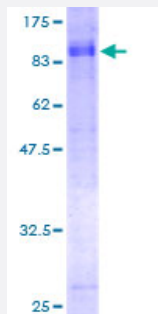
Full-Length

KIF1B (Human) Recombinant Protein (P01)

Catalog # H00023095-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KIF1B full-length ORF (AAH01415, 1 a.a. - 579 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSKTSLGQSMKYDLLVWFEISELEPTGEYIPAVVDHTAGLPCQGTFLHQQGIQRRITVTIIHEKGSE
LHWKDVRELVVGRIRNKPEVDEAAVDAILSLNIISAKYLKSSHNSRTFYRFEAVWDSSLHNSLLLN
RVTPYGEKIYMTLSAYLELDHCIQPAVITKDVCVMFYSRDAKISPPRSLRSLFGSGYSKSPDSNRVT
GIYELSLCKMSDTGSPGMQRRRRKILDTSVA YVRGEENLAGWRPRGDSLILEHQWELEKLELLHE
VEKTRHFLLLRLRGLGDSIPKSLSDSLSPSLSSGTLSTSTSISSQISTTTFESAITPSESSGYDSGDIES
LVDREKELATKCLQLLTHTFNREFSQVHGVSVDCKLSDISPIGRDPSESSFSSATLTPSSTCPSLV
DSRSNSLDQKTPEANSRASSPCPEFEQFQIPAVETPYLARAGKNEFLNLVPDIEEIRPSSVVS
KGYLHFKEPLYSNWAKHFVVVRRPYVFIYNSDKDPVERGIINLSTAQVEYSEDQQAMVKTPNTFAV
CTKHRGVLLQALNDKDMNDWLYAFNPLLAGTIRSKLSRRCPSSQSKY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.21

Interspecies Antigen Sequence

Mouse (95); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KIF1B

Entrez GeneID	23095
GeneBank Accession#	BC001415
Protein Accession#	AAH01415
Gene Name	KIF1B
Gene Alias	CMT2, CMT2A, CMT2A1, FLJ23699, HMSNII, KIAA0591, KIAA1448, KLP, MGC134844
Gene Description	kinesin family member 1B
Omim ID	118210 605995
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a motor protein that transports mitochondria and synaptic vesicle precursors. Mutations in this gene cause Charcot-Marie-Tooth disease, type 2A1. [provided by RefSeq]
Other Designations	OTTHUMP00000001773 OTTHUMP00000001774 OTTHUMP00000001775 kinesin superfamily protein KIF1B

Disease

- [Carcinoma](#)
- [Charcot-Marie-Tooth Disease](#)
- [Deafness](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Multiple Sclerosis](#)
- [Polyradiculoneuropathy](#)
- [Tobacco Use Disorder](#)