Chromosome-Associated Kinesin KIF4A (KIF4A) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromosome-associated kinesin KIF4A (KIF4A), Recombinant Protein
Full Product Name	Recombinant Human Chromosome-associated kinesin KIF4A (KIF4A) , partial
Product Gene Name	KIF4A recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	128,459 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	300521
3D Structure	ModBase 3D Structure for O95239
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KIF4A recombinant protein	MBS1226119 is a recombinant protein targeting KIF4A. Also known as Recombinant Human Chromosome-associated kinesin KIF4A (KIF4A) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of KIF4A recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIF4A. It may not necessarily be applicable to this product.

NCBI GI #	116686122
NCBI GeneID	24137
NCBI Accession #	NP_036442.3
UniProt Primary Accession #	O95239
UniProt Secondary Accession #	Q86TN3; Q86XX7; Q9NNY6; Q9NY24; Q9UMW3; B2R7V5; D3DVU4
UniProt Related Accession #	O95239
GenBank Nucleotide #	NM_012310.4
NCBI Official Full Name	chromosome-associated kinesin KIF4A
NCBI Official Synonym Full Names	kinesin family member 4A

NCBI Official Symbol	KIF4A
NCBI Official Synonym Symbols	KIF4; KIF4G1; MRX100
UniProt Protein Name	Chromosome-associated kinesin KIF4A
UniProt Synonym Protein Names	Chromokinesin-A
Protein Family	Chromosome-associated kinesin
UniProt Gene Name	KIF4A
UniProt Synonym Gene Names	KIF4
NCBI Protein Information	chromosome-associated kinesin KIF4A
NCBI Summary for KIF4A	This gene encodes a member of the kinesin 4 subfamily of kinesin related proteins. The encoded protein is an ATP dependent microtubule-based motor protein that is involved in the intracellular transport of membranous organelles. This protein also associates with condensed chromosome arms and may be involved in maintaining chromosome integrity during mitosis. This protein may also be involved in the organization of the central spindle prior to cytokinesis. A pseudogene of this gene is found on chromosome X.[provided by RefSeq, Mar 2010]
UniProt Comments for KIF4A	Motor protein that translocates PRC1 to the plus ends of interdigitating spindle microtubules during the metaphase to anaphase transition, an essential step for the formation of an organized central spindle midzone and midbody and for successful cytokinesis. May play a role in mitotic chromosomal positioning and bipolar spindle stabilization.
Research Articles on KIF4A	**1.** High KIF4A expression is associated with lung cancer.
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