

Kinesin-like protein KIF1A Recombinant Protein | Kif1a recombinant protein

Recombinant Mouse Kinesin-like protein KIF1A

CATALOG # AAA113418	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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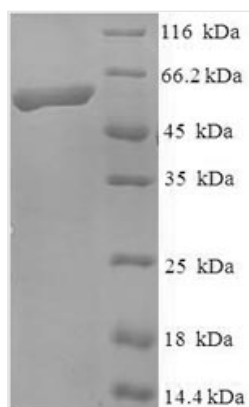
PRODUCT SYNONYMS

Kinesin-like protein KIF1A; Recombinant Mouse Kinesin-like protein KIF1A; Axonal transporter of synaptic vesicles; Kif1a recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-361aa; Partial
Sequence	MAGASVKVAV RVRPFNSREM SRDSKCIQM SGSTTTIVNP KQPKETPKSF SFDYSYWSHT SPEDINYASQ KQVYRDIGEE MLQHAFEGYN VCIFAYGQTG AGKSYTMMGK QEKDQQGIIP QLCEDLFSRI NDTTNDNMSY SVEVSYMEIY CERVRDLLNP KNKGNLRVRE HPLLGPYVED LSKLAVTSYN DIQDLMDSGN KPRTVAATNM NETSSRSHAV FNIIFTQKRH DAETNITTEK VSKISLVDLA GSERADSTGA KGTRLKEGAN INKSLTTLGK VISALAEMDS GPNKNKKKKK TDFIPYRDSV LTWLLRENLG GNSRTAMVAA LSPADINYDE TLSTLRYADR AKQIRCNAII N
Sequence Length	1,695
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Kif1a recombinant protein	Motor for anterograde axonal transport of synaptic vesicle precursors.
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References	The neuron-specific kinesin superfamily protein KIF1A is a unique monomeric motor for anterograde axonal transport of synaptic vesicle precursors.Okada Y., Yamazaki H., Sekine-Aizawa Y., Hirokawa N.Cell 81:769-780(1995) Kinesin family in murine central nervous system.Aizawa H., Sekine Y., Takemura R., Zhang Z., Nangaku M., Hirokawa N.J. Cell Biol. 119:1287-1296(1992) Switch-based mechanism of kinesin motors.Kikkawa M., Sablin E.P., Okada Y., Yajima H., Fletterick R.J., Hirokawa N.Nature 411:439-445(2001) KIF1A alternately uses two loops to bind microtubules.Nitta R., Kikkawa M., Okada Y., Hirokawa N.Science 305:678-683(2004) Structural model for strain-dependent microtubule activation of Mg-ADP release from kinesin.Nitta R., Okada Y., Hirokawa N.Nat. Struct. Mol. Biol. 15:1067-1075(2008)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506794
UniProt Accession #	P33173; Q61770
Molecular Weight	56.4 kDa
NCBI Official Full Name	Kinesin-like protein KIF1A
UniProt Protein Name	Kinesin-like protein KIF1A
UniProt Gene Name	Kif1a
UniProt Synonym Gene Names	Atsv; Kif1
UniProt Entry Name	KIF1A_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/kif1a-recombinant-protein-e-coli/113418>