

Kinesin light chain 1 (Klc1) Recombinant Protein | Klc1 recombinant protein

Recombinant Mouse Kinesin light chain 1 (Klc1)

CATALOG # AAA115779	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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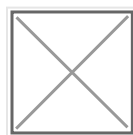
PRODUCT SYNONYMS

Kinesin light chain 1 (Klc1); Recombinant Mouse Kinesin light chain 1 (Klc1); Klc1 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	199-495aa; Partial
Sequence	AAARQGYEIP ARLRTLHNLV IQYASQGRYE VAVPSCKQAL EDLEKTSQHD HPDVATMLNI LALVYRDQNK YKDAANLLND ALAIREKTLG RDHPAVALT NNLAVLYGKR GKYKEAEPLC KRALEIREKV LGKDHPDVAK QLNNLALLCQ NQGKYEEVEY YYQRALGIYQ TKLGPDRTPN VAKTKNNLAS CYLKQGKFKQ AETLYKEILT RAHEAEFGSV DDENKPIWMH AEEREECKGK QKDGSAGFEY GGWYKACKVD SPTVTTTLKN LGALYRRQGK FEAAETLEEA AMRSRKQ
Species	Mouse
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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Klc1 recombinant protein	Conventional kinesin is a tetrameric molecule composed of two heavy chains and two light chains, and transports various cargos along microtubules toward their plus ends. The heavy chains provide the motor activity, while the light chains bind to various cargos. This gene encodes a member of the kinesin light chain family. It associates with kinesin heavy chain through an N-terminal domain, and six tetratricopeptide repeat (TPR) motifs are thought to be involved in binding of cargos such as vesicles, mitochondria, and the Golgi complex. Thus, kinesin light chains function as adapter molecules and not motors per se. Although previously named kinesin 2, this gene is not a member of the kinesin-2 kinesin heavy chain subfamily of kinesin motor proteins. Extensive alternative splicing produces isoforms with different C-termini that are proposed to bind to different cargos; however, the full-length nature and or biological validity of most of these variants have not been determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215274125
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NCBI GeneID	16593
UniProt Accession #	O88447
Molecular Weight	61,450 Da
NCBI Official Full Name	Kinesin light chain 1
NCBI Official Synonym Full Names	kinesin light chain 1
NCBI Official Symbol	Klc1
NCBI Official Synonym Symbols	Kns2; AI874768
NCBI Protein Information	kinesin light chain 1
UniProt Protein Name	Kinesin light chain 1
UniProt Gene Name	Klc1
UniProt Synonym Gene Names	Kns2; KLC 1

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://stage.aaabiotech.com/klc1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115779>