

Recombinant Mouse Kinesin-like protein KIF1A(Kif1a),partial

Catalog No: #AP70470

Package Size: #AP70470-1 20ug #AP70470-2 100ug #AP70470-3 1mg

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Description

Product Name	Recombinant Mouse Kinesin-like protein KIF1A(Kif1a),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-361aaSequence Info:Partial
Other Names	Axonal transporter of synaptic vesicles
Accession No.	P33173
Calculated MW	56.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MAGASVKVAVRVRPFNSREMSRDSKCIQMSGSTTTIVNPKQPKETPKSFSFDYSYWSHTSPEDINYASQKQV YRDIGEEMLQHAFEGYNVCIFAYGQTGAGKSYTMMGKQEKDQQGIIPQLCEDLFSRINDTTNDNMSYSVEVS YMEIYCERVRDLLNPKNKGNLVRVREHPLLGPYVEDLSKLAVTSYNDIQDLMDSGNKPRTVAATNMNETSSRS HAVFNIFTQKRHDAETNITTEKVSISLVDLAGSERADSTGAKGTRLKEGANINKSLTLTGKVISALAEMDSGPN KNKKKKKTDFIPYRDSVLTWLLRENLGGNSRTAMVAALSPADINYDELSTLRYADRAKQIRCNAIIN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Motor for anterograde axonal transport of synaptic vesicle precursors.

References

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)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.