Recombinant Human KIF5A Protein, His-tagged

Cat. No. KIF5A-2361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIF5A Protein (Val174-Lys315) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val174-Lys315
Description	This gene encodes a member of the kinesin family of proteins. Members of this family are part of a multisubunit complex that functions as a microtubule motor in intracellular organelle transport. Mutations in this gene cause autosomal dominant spastic paraplegia 10.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.2 kDa Accurate Molecular Mass: 19 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

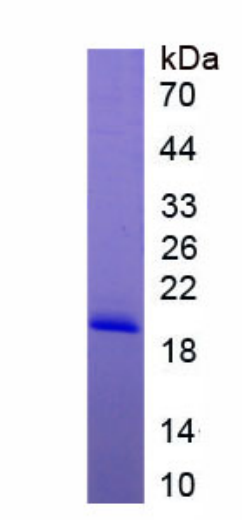
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	KIF5A kinesin family member 5A [Homo sapiens (human)]
Official Symbol	KIF5A
Synonyms	KIF5A; kinesin family member 5A; spastic paraplegia 10 (autosomal dominant), SPG10; kinesin heavy chain isoform 5A; D12S1889; MY050; NKHC; KIF5A variant protein; neuronal kinesin heavy chain; kinesin heavy chain neuron-specific 1; kinesin, heavy chain, neuron-specific; SPG10;
Gene ID	3798
mRNA Refseq	NM_004984
Protein Refseq	NP_004975

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MIM	602821
UniProt ID	Q12840



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