

Recombinant Rat Kif5a Protein, His/GST-tagged

Cat. No. Kif5a-261R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Kif5a(Ile823~Ser1027) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile823~Ser1027
Description	Neuron-specific member of the kinesin 5 (Kif5) family, consisting of the heavy chains of conventional kinesins; may be a microtubule motor protein; mutation in human homolog causes autosomal dominant spastic paraplegia 10
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	52.84kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Kif5a kinesin family member 5A [*Rattus norvegicus*]

Official Symbol

Kif5a

Synonyms

KIF5A; kinesin family member 5A; kinesin heavy chain isoform 5A; NKHC; neuronal kinesin heavy chain; kinesin heavy chain neuron-specific 1;

Gene ID

314906

mRNA Refseq

NM_212523

Protein Refseq

NP_997688

UniProt ID

Q6QLM7

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