

## Recombinant Rat Kif5b protein, His-tagged

**Cat. No.** Kif5b-326R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Kif5b(Ile9~Lys226) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Ile9~Lys226                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Kif5b played an important role in many functions.                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 28.8kDa                                                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | 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. |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                       |
| <b>Reconstitution</b>      | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                     |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>           | Kif5b kinesin family member 5B [ Rattus norvegicus ]                                                                                                                                                                                                                                               |
| <b>Official Symbol</b>     | Kif5b                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | KIF5B; kinesin family member 5B; kinesin-1 heavy chain; UKHC; ubiquitous kinesin heavy chain; conventional kinesin heavy chain; Khc;                                                                                                                                                               |
| <b>Gene ID</b>             | 117550                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_057202                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_476550                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | Q2PQA9                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 17q12.1                                                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; Insulin Signaling, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; microtubule binding; microtubule motor activity; nucleotide binding;                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



protein binding;

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA