

## Recombinant Mouse Rims2 Protein, His-tagged

**Cat. No.** Rims2-2018M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Mouse Rims2 Protein (Val1346-Ser1530) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Val1346-Ser1530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Enables transmembrane transporter binding activity. A structural constituent of presynaptic active zone. Involved in neurotransmitter secretion; positive regulation of gene expression; and regulation of nervous system process. Acts upstream of or within several processes, including adenylate cyclase-modulating G protein-coupled receptor signaling pathway; regulation of exocytosis; and signal release. Located in GABA-ergic synapse and inhibitory synapse. Is active in glutamatergic synapse. Is expressed in testis. Orthologous to human RIMS2 (regulating synaptic membrane exocytosis 2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 24 kDa<br>Accurate Molecular Mass: 26 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                   |
| <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. |
| <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>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Rims2 regulating synaptic membrane exocytosis 2 [ Mus musculus (house mouse) ]</a>                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | <a href="#">Rims2</a>                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | RIMS2; regulating synaptic membrane exocytosis 2; regulating synaptic membrane exocytosis protein 2; RIM 2; Rab3 interacting protein 1; Rab3 interacting protein 2; rab3-interacting protein 2; rab-3-interacting protein 2; synaptic exocytosis regulator 2; synaptotagmin 3, related sequence; RIM2; Serg2; Rab3ip2; Syt3-rs; AW048769; Rim2(+4A); mKIAA0751; Rim2(+40A); Rim2(+44A); 2810036I15Rik; |
| <b>Gene ID</b>         | <a href="#">116838</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | <a href="#">NM_001256382</a>                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | <a href="#">NP_001243311</a>                                                                                                                                                                                                                                                                                                                                                                           |

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UniProt ID

Q9EQZ7

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