

## Recombinant Rat Nrp2 Protein, His-tagged

**Cat. No.** Nrp2-1863R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Nrp2 Protein (Glu652-Pro858) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Glu652-Pro858                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Predicted to enable identical protein binding activity and semaphorin receptor activity. Involved in axon guidance. Predicted to be located in axon. Predicted to be active in glutamatergic synapse. Predicted to be integral component of postsynaptic membrane. Orthologous to human NRP2 (neuropilin 2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 27.0 kDa<br>Accurate Molecular Mass: 32 kDa                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                        |
| <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                                                                                                                                |

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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**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

Nrp2 neuropilin 2 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Nrp2

**Synonyms**

NRP2; neuropilin 2; neuropilin-2; vascular endothelial cell growth factor 165 receptor 2;

**Gene ID**

81527

**mRNA Refseq**

NM\_030869

**Protein Refseq**

NP\_110496

**UniProt ID**

O35276

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