

# Recombinant Rat Ntn1 protein, His/GST-tagged

**Cat. No.** Ntn1-257R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Ntn1(Pro313~Pro565) fused with two N-terminal Tags, His-tag and GST-tag was expressed in E. coli.                                                                                                                                                                                  |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Pro313~Pro565                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Ntn1 played an important role in many functions.                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 60.5kDa                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | PECDRCKP FHYDRPWQRA TAREANECVA CNCNLHARRC RFNMELYKLS<br>GRKSGGVCLN CRHNTAGRHC HYCKEGFYRD MGKPITHRKA CKACDCHPVG<br>AAGKTCNQTT GQCPCKDGVG GITCNRCAKG YQQRSPIAP CIKIPVAPPT<br>TAASSMEEPE DCDSYCKASK GKLKMNMKKY CRKDYAVQIH ILKADKAGDW<br>WKFTVNIISV YKQGTSRIRR GDQSLWIRSR DIAXKCPKIK PLKKYLLLG N AEDSP |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                              |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP.                                                                                                     |
| <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 sterile PBS, pH7.2-pH7.4.                                                                                    |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Ntn1 netrin 1 [ Rattus norvegicus ]                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>     | Ntn1                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | NTN1; netrin 1; netrin-1;                                                                                                                                                                                                                                                                                                   |
| <b>Gene ID</b>             | 114523                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_053731                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_446183                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>                 |                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          |                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 10q24                                                                                                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Axon guidance, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; DCC mediated attractive |

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signaling, organism-specific biosystem;

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