

## Recombinant Active Human NRTN Protein, His-tagged(C-ter)

**Cat. No.** NRTN-259H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Active Human NRTN Protein with His tag (C-ter) was expressed in E. coli.                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Neurturin is a member of the TGF-beta subfamily, TRN. This gene signals through RET and a GPI-linked coreceptor, and promotes survival of neuronal populations. A neurturin mutation has been described in a family with Hirschsprung Disease. [provided by RefSeq, Jul 2008] |
| <b>Form</b>             | Powder                                                                                                                                                                                                                                                                        |
| <b>Bio-activity</b>     | Determined by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is < 50 ng/mL.                                                                                                                                                                   |
| <b>AA Sequence</b>      | MARLGARPCGLRELEVRVSELGLGYASDETVLFRYCAGACEAAARVYDLGLRRLRQ<br>RRRLRRRERVRAQPCCRPTAYEDEVSFLDAHSRYHTVHEL SARECACV                                                                                                                                                                 |
| <b>Endotoxin</b>        | Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.                                                                                                                                                                                         |
| <b>Purity</b>           | > 98% (by SDS-PAGE)                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                      |

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|                       |                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                        |
| <b>Storage</b>        | Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| <b>Storage Buffer</b> | PBS (pH 7.4)                                                                                                                                                                                                                                                |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.             |

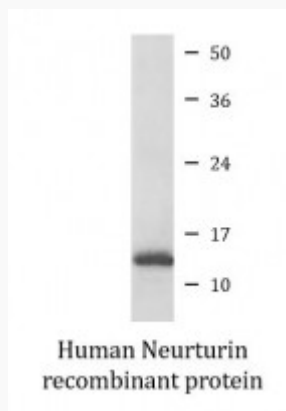
## GENE INFORMATION

|                        |                                 |
|------------------------|---------------------------------|
| <b>Gene Name</b>       | NRTN neurturin [ Homo sapiens ] |
| <b>Official Symbol</b> | NRTN                            |
| <b>Synonyms</b>        | NRTN; neurturin; NTN;           |
| <b>Gene ID</b>         | 4902                            |
| <b>mRNA Refseq</b>     | NM_004558                       |
| <b>Protein Refseq</b>  | NP_004549                       |
| <b>MIM</b>             | 602018                          |
| <b>UniProt ID</b>      | Q99748                          |

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**SDS-PAGE**

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