

# Recombinant Human Neuritin/NRN1 Protein (E.coli, His Tag)



Catalog Number:PKSH033323

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

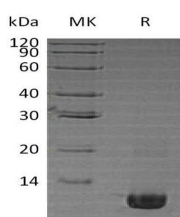
## Description

|                                    |                        |
|------------------------------------|------------------------|
| <b>Synonyms</b>                    | dJ380B8.2;MGC44811;NRN |
| <b>Species</b>                     | Human                  |
| <b>Expression Host</b>             | E.coli                 |
| <b>Sequence</b>                    | Ala28-Gly116           |
| <b>Accession</b>                   | Q9NPD7                 |
| <b>Calculated Molecular Weight</b> | 12.1 kDa               |
| <b>Observed molecular weight</b>   | 10 kDa                 |
| <b>Tag</b>                         | N-His                  |

## Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                          |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the print |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.   |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Neuritin/NRN1 is a member of the neuritin family and can be expressed in postmitotic-differentiating neurons of the developmental nervous system and neuronal structures associated with plasticity in the adult. Neuritin/NRN1 promotes neurite outgrowth; arborization and neuritogenesis. The protein contains a consensus cleavage signal found in glycosylphosphatidylinositol (GPI)-anchored proteins. Overexpression of the encoded protein may be associated with astrocytoma progression.

## For Research Use Only

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