

## Active Recombinant Human NRXN3 Protein, Fc-tagged

**Cat. No.** NRXN3-432H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human NRXN3 Protein(NP_620426.2)(Met 1-Thr 357) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-357 aa                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When 5 x 10E4 cells/well are added to NRXN3 coated plates (0.8 µg/ml and 100 µl/well), >30 % will adhere specifically after 60 minutes at 37°C.                                                                  |
| <b>Molecular Mass</b>   | The secreted recombinant human NRXN3/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 563 amino acids and predicts a molecular mass of 61.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh NRXN3/Fc monomer is approximately 75-85 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                         |

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**Storage** Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** NRXN3 neurexin 3 [ Homo sapiens ]

**Official Symbol** NRXN3

**Synonyms** NRXN3; neurexin 3; C14orf60, chromosome 14 open reading frame 60; neurexin-3-beta; KIAA0743; neurexin III; neurexin III-beta; neurexin III-alpha; C14orf60; MGC176711;

**Gene ID** 9369

**mRNA Refseq** NM\_001105250

**Protein Refseq** NP\_001098720

**MIM** 600567

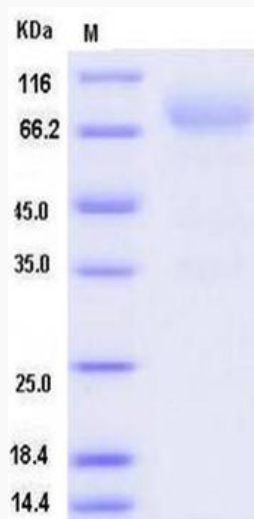
**UniProt ID** Q9HDB5

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SDS-PAGE



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