

## Recombinant Human NRG1 Protein, Fc-tagged

**Cat. No.** NRG1-239H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NRG1 Protein(NP_001153480.1) (Ser177-Gln237) was expressed in HEK293 with the Fc region of human IgG1 at the N-terminus.                                           |
| <b>Species</b>          | Human                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                               |
| <b>ProteinLength</b>    | 177-237 aa                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                |
| <b>Molecular Mass</b>   | The recombinant human NRG1 consists 321 amino acids and predicts a molecular mass of 35.5 kDa.                                                                                       |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                      |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                     |
| <b>Storage</b>          | 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. |
| <b>Reconstitution</b>   | 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.        |

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## GENE INFORMATION

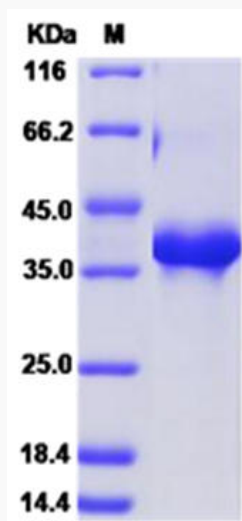
|                        |                                                                                                                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NRG1 neuregulin 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b> | NRG1                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | NRG1; neuregulin 1; HGL; pro-neuregulin-1, membrane-bound isoform; GGF; HRG; NDF; MSTP131; pro-NRG1; glial growth factor; neu differentiation factor; neuregulin 1 type IV beta 3; neuregulin 1 type IV beta 1a; sensory and motor neuron derived factor; heregulin, alpha (45kD, ERBB2 p185-activator); ARIA; GGF2; HRG1; HRGA; SMDF; MST131; |
| <b>Gene ID</b>         | 3084                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001159995                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_001153467                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>             | 142445                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q02297                                                                                                                                                                                                                                                                                                                                         |

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SDS-PAGE



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