

## Recombinant Human NRG4 protein(Pro2-Phe62)

**Cat. No.** NRG4-452H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NRG4 (Q8WWG1)(Pro 2-Phe 62) was expressed and purified in E. coli, with additional two amino acids (Gly & Pro) at the N-terminus.                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 2-62 a.a.                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 50mM NaCl, pH 7.2 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                  |
| <b>Molecular Mass</b>   | The recombinant human NRG4 consists of 63 amino acids and has a calculated molecular mass of 6.7 KDa as estimated in SDS-PAGE under reducing conditions.                                                                                        |
| <b>Purity</b>           | > 92 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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>       | NRG4 neuregulin 4 [ Homo sapiens ]                                                                                       |
| <b>Official Symbol</b> | NRG4                                                                                                                     |
| <b>Synonyms</b>        | NRG4; neuregulin 4; pro-neuregulin-4, membrane-bound isoform; HRG4; pro-NRG4; heregulin 4; DKFZp779N0541; DKFZp779N1944; |
| <b>Gene ID</b>         | 145957                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_138573                                                                                                                |
| <b>Protein Refseq</b>  | NP_612640                                                                                                                |
| <b>MIM</b>             | 610894                                                                                                                   |
| <b>UniProt ID</b>      | Q8WWG1                                                                                                                   |

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