

## Product Datasheet

# Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active) (orb2657893)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb2657893                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>       | Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active)                                                                                                                                                                                                                                                                                                                         |
| <b>Endotoxins</b>        | ≤10 EU/mg by the LAL method                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Preservatives</b>     | Lyophilized from a 0.2 µm filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4                                                                                                                                                                                                                                                                                                          |
| <b>Form/Appearance</b>   | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                             |
| <b>Tag</b>               | Tag free                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application notes</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| <b>Protein Sequence</b>  | SGKKPESAAGSQSPALPPRLKEMKSQESAAGSKLVLCETSSEYSSLRFKWFKNGNELNRK<br>NKPQNIKIQQKPGKSELRINKASLADSGEYMCKVISKLGNDASANITIVESNEITGMPASTE<br>GAYVSSSPIRISVSTEGANTSSSTSTTTGTSHLVKCAEKEKTCVNGGECFMVKDLSNPS<br>RYLCKCQPGFTGARCTENVPMKVQNQEKAEEELYQKR                                                                                                                                                                      |
| <b>Purity</b>            | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |

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|                        |                                |
|------------------------|--------------------------------|
| <b>Source</b>          | Mammalian cell                 |
| <b>MW</b>              | 24.2 kDa                       |
| <b>Uniprot ID</b>      | <b>Q02297</b>                  |
| <b>Expiration Date</b> | 6 months from date of receipt. |

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