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## Product Datasheet

### **Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active) BYT-ORB1095896**

|                            |                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active)                                                                                                                 |
| Biozol Catalog Number      | BYT-ORB1095896                                                                                                                                                                                      |
| Supplier Catalog Number    | orb1095896                                                                                                                                                                                          |
| Alternative Catalog Number | BYT-ORB1095896-1,BYT-ORB1095896-100,BYT-ORB1095896-20                                                                                                                                               |
| Manufacturer               | Biorbyt                                                                                                                                                                                             |
| Category                   | Proteine/Peptide                                                                                                                                                                                    |
| Product Description        | This Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active) spans the amino acid sequence from region 20-247aa. Purity: Greater than 95% as determined by SDS-PAGE.... |
| Molecular Weight           | 27.1 kDa                                                                                                                                                                                            |
| UniProt                    | <a href="#">Q02297</a>                                                                                                                                                                              |
| Buffer                     | Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0                                                                                                                 |
| Source                     | Homo sapiens (Human)                                                                                                                                                                                |
| Purity                     | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                         |
| Form                       | Lyophilized powder                                                                                                                                                                                  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence          | SGKKPESAAGSQSPALPPRLKEMKSQESAAGSKLVLCETSSEYSSLRFKWFK<br>NGNELNRKNKPQNIKIQQKPGKSELRINKASLADSGEYMCKVISKLGNDSASA<br>NITIVESNEITGMPASTEGAYVSSESPIRISVSTEGANTSSSTSTTTGTSHLVK<br>CAEKEKTFCVNGGECFMVKDLSNPSRYLCKCPNEFTGDRCQNYVMASFYKHL<br>GIEFMEAEELYQKR                                                                                                                                                                                                                                                                                                                                                                                                              |
| Application Notes | Biological Origin: Homo sapiens (Human). Biological Activity:<br>Measured by its binding ability in a functional ELISA. Immobilized<br>NRG1 at 2 µg/ml can bind human ERBB3, the EC50 is 18.24-23.66<br>ng/ml. Application Notes: We recommend that this vial be briefly<br>centrifuged prior to opening to bring the contents to the bottom.<br>Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of<br>glycerol (final concentration) and aliquot for long-term storage at -<br>20°C/-80°C. Our default final concentration of glycerol is 50%.<br>Customers could use it as reference |