

Product Datasheet

Recombinant Human Neuregulin-1 alpha/NRG1 alpha Protein

NBP2-35093-10ug

Unit Size: 10ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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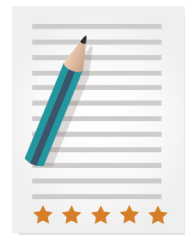
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Updated 1/25/2025 v.20.1

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NBP2-35093-10ug**Recombinant Human Neuregulin-1 alpha/NRG1 alpha Protein****Product Information**

| | |
|------------------------------------|---|
| Unit Size | 10ug |
| Concentration | Lyoph |
| Storage | Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles. |
| Preservative | No Preservative |
| Reconstitution Instructions | Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL. |
| Purity | > 97 % pure by SDS-PAGE and HPLC |
| Buffer | Lyophilized from a 0.2 um filtered solution in 20 mM PB, pH 6.0, 150 mM NaCl. |
| Target Molecular Weight | 7.4 kDa |

Product Description

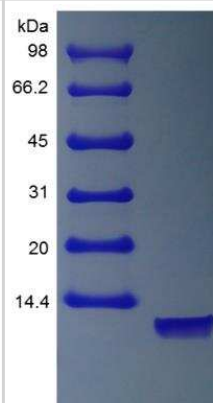
| | |
|---------------------------------|--|
| Description | <p>A single non-glycosylated polypeptide chain containing 65 amino acids corresponding to Neuregulin-1 alpha/NRG1 alpha Source: <i>E. coli</i></p> <p>Uniprot ID: Q02297</p> <p>Amino Acid Sequence: SHLVKCAEKE KTFCVNGGEC FMVKDLSNPS RYLCKCQPGF TGARCTENVP MKVQNQEKA ELYQK</p> |
| Gene ID | 3084 |
| Gene Symbol | NRG1 |
| Species | Human |
| Details of Functionality | Neuregulin-1 alpha/NRG1 alpha protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 40 ng/ml, corresponding to a specific activity of > 2.5 x 10 ⁴ IU/mg. |
| Endotoxin Note | Less than 0.1 EU/ug of Neuregulin-1 alpha/NRG1 alpha as determined by LAL method. |

Product Application Details

| | |
|------------------------------|-----------------------|
| Applications | SDS-Page, Bioactivity |
| Recommended Dilutions | SDS-Page, Bioactivity |

Images

SDS-Page: Human Neuregulin-1 alpha/NRG1 alpha Protein [NBP2-35093]





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Products Related to NBP2-35093-10ug

| | |
|---------------|---|
| 236-EG-200 | EGF [Unconjugated] |
| 296-HR-050/CF | Neuregulin-1 alpha/NRG1 alpha |
| DY413-05 | IL-13 [Biotin] |
| AF887 | AKT [p Ser473] Antibody [Unconjugated] - Pan Specific |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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