

# Product Datasheet

## Recombinant Human Neuregulin-1 beta 1/NRG1 beta 1 Protein NBP2-35097-10ug

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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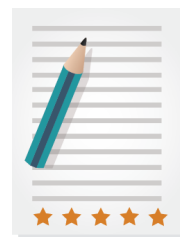
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**NBP2-35097-10ug**

Recombinant Human Neuregulin-1 beta 1/NRG1 beta 1 Protein

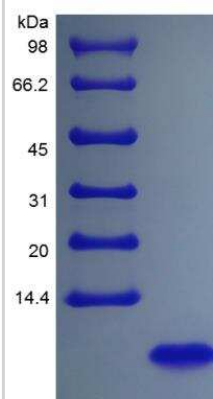
Product Information	
Unit Size	10ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	5% Trehalose
Reconstitution Instructions	Recommended to centrifuge 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 1 x PBS, pH 7.4.
Target Molecular Weight	7.5 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 65 amino acids corresponding to Neuregulin-1 beta 1/NRG1 beta 1 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> Q02297  <b>Amino Acid Sequence:</b> SHLVKCAEKE KTFCVNGGEC FMVKDLSNPS RYLCKCPNEF TGDRQCQNYVM ASFYKHLGIE FMEAE
Gene ID	3084
Gene Symbol	NRG1
Species	Human
Details of Functionality	Neuregulin-1 beta 1/NRG1 beta 1 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 0.5 ng/ml, corresponding to a specific activity of > 2.0 x 10 <sup>6</sup> IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of Neuregulin-1 beta 1/NRG1 beta 1 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

**Images**

SDS-Page: Human Neuregulin-1 beta 1/NRG1 beta 1 Protein [NBP2-35097]





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### **Products Related to NBP2-35097-10ug**

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236-EG-200	EGF [Unconjugated]
396-HB-050	Neuregulin-1 beta 1/NRG1 beta 1
DY413-05	IL-13 [Biotin]
AF887	AKT [p Ser473] Antibody [Unconjugated] - Pan Specific

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### **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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