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NRG1
Recombinant Human NRG1-beta, Animal Free

Catalog No.	CRH320A-AF	**Quantity:**	10 µg
	CRH320B-AF		100 µg
	CRH320C-AF		1 mg

Alternate Names: Neuregulin-1, Acetylcholine receptor-inducing activity, ARIA, Breast cancer cell differentiation factor p45, Glial growth factor, Heregulin, HRG, Neu differentiation factor, Sensory and motor neuron-derived factor

Description: Neuregulin 1-beta (NRG1-β) is one of many alternatively-spliced isoforms of the NRG1 gene and contains a soluble EGF-like domain. The EGF-like domain of NRG1-β signals through the ErbB2, ErbB3, and ErbB4 receptor tyrosine kinases. NRG1-β is an important growth factor involved in neuroinflammation, nerve regeneration, and cardiovascular processes.
Made without animal-derived components in an animal-free facility.

UniProt ID: Q02297-6

Gene ID: 3084

Source: *E. coli*

Molecular Weight: Monomer, 7.6 kDa (66 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: No data available at this time.

Amino Acid Sequence: MSHLVKCAEK EKTFCVNGGE CFMVKDLSNP SRYLCKCPNE FTGDRCQNYV MASFYKHLGI EFMEAE

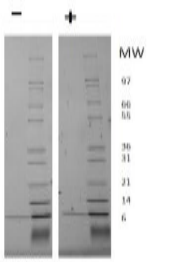
Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for reconstitution.

Storage & Stability: Upon receipt, store at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C for up to 1 month or prepare working aliquots and store at -20°C to -80°C for up to 3 months. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. **Avoid repeated freeze-thaw cycles.**

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



Human NRG1-beta
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human NRG1-beta has a predicted MW of 7.6 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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