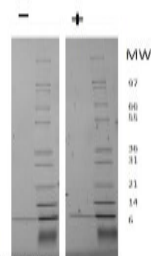


## NRG1

### Recombinant Human NRG1-beta

<b>Catalog No.</b>	CRH320A CRH320B CRH320C	<b>Quantity:</b>	10 µg 100 µg 1 mg
<b>Alternate Names:</b>	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		
<b>Description:</b>	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.		
<b>UniProt ID:</b>	Q02297-6		
<b>Gene ID:</b>	3084		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Monomer, 7.6 kDa (66 aa)		
<b>Formulation:</b>	Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)		
<b>Purity:</b>	≥95% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤1 EU/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	No data available at this time.		
<b>Amino Acid Sequence:</b>	MSHLVKCAEK EKTFCVNGGE CFMVKDLSNP SRYLCKCPNE FTGDRCQNYV MASFYKHLGI EFMEAE		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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. <b>DO NOT VORTEX.</b> Allow several minutes for reconstitution.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		



**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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