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32-12261: Human Neuregulin 1-beta (AF)

Gene :	NRG1
Gene ID :	3084
Uniprot ID :	Q02297-6
Alternative Name :	Pro-neuregulin-1, membrane-bound isoform, Pro-NRG1, Acetylcholine receptor-inducing activity, Breast cancer cell differentiation factor p46

Description

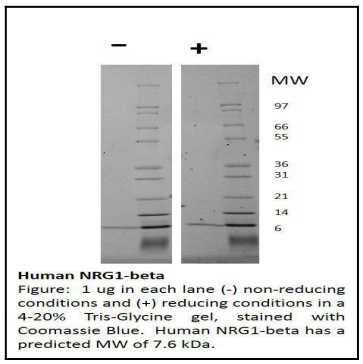
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 7.6 kDa (66 aa)
Neuregulin 1-beta (NRG1-beta) is one of many alternatively-spliced isoforms of the NRG1 gene and contains a soluble EGF-like domain. The EGF-like domain of NRG1-beta signals through the ErbB2, ErbB3, and ErbB4 receptor tyrosine kinases. NRG1-beta is an important growth factor involved in neuroinflammation, nerve regeneration, and cardiovascular processes.

Product Info

Amount :	50 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MSHLVKCAEK EKTFCVNGGE CFMVKDLSNP SRYLCKCPNE FTGDRCQNYV MASFYKHLGI EFMEAE

Application Note

Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã□Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss. Ã□Â Ã□Â



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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.