

GFH46AF Recombinant Human NRG1-β (Animal-Free)

Description

Neuregulin 1-β (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.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	66 aa
Molecular Weight	7.6 kDa
Source	E. coli
Accession Number	Q02297-6
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

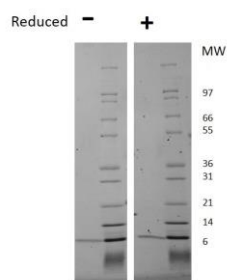
Specifications

Alternative Names	Neuregulin 1 β, NGR β 1, heregulin, HRG1 β, neuregulin 1
Biological Activity	Activity to be determined.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MSHLVKCAEK EKTFCVNGGE CFMVKDLSNP SRYLCKCPNE FTGDRCQNYV MASFYKHLGI EFMEAE

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane.
Human NRG1-β has a predicted Mw of 7.6 kDa.