

NRG-1_{β2}

Catalog # PVGS1056

Specification

NRG-1β2 - Product Information

Primary Accession
Species
Human

Q02297-7

Sequence

Ser177-Gln237

Purity

> 96% as analyzed by SDS-PAGE
br>> 96% as analyzed by HPLC

Endotoxin Level

< 1 EU/ µg of protein by LAL method

Biological Activity

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 50.0 ng/ml, corresponding to a specific activity of $> 2.0 \times 10$ ⁴ IU/mg.

Expression System

E. coli

Theoretical Molecular Weight

7.0 kDa

Formulation

Lyophilized from a 0.2 μm filtered solution in 20 mM PB, pH 7.0, containing 0.5 % HAS and 2 % mannitol.

Reconstitution

It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

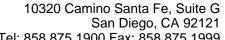
Storage & Stability

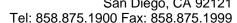
Upon receiving, this product remains stable for up to 6 months at -20°C or -70°C. Upon reconstitution, the product should be stable for up to 1 week at 2-8°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

NRG-1β2 - Additional Information

Target Background

Neuregulin is a signaling protein for ErbB2/ErbB4 receptor heterodimers on the cardiac muscle cells, playing an important role in heart structure and function through inducing ErbB2/ErbB4 receptor phosphorylation and cardiomyocyte differentiation. Research on molecular level discovered that recombinant neuregulin could make disturbed myocardial cell structure into order







and strengthen the connection between myocardial cells by intercalated discs re-organization.

NRG-1β2 - Protein Information

NRG-1β2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NRG-1β2 - Images