



Recombinant Heregulin-β2 (NRG-1) Datasheet

Catalog Number: PR27046

Product Type: Recombinant Protein

Source: E.Coli

Amino Acid Sequence: SHLVKCAEKEKTFVNGGECFMVKDLSNPSRYLCKCPNEFTGDRQCQNYVMASFYKAEELYQ

Description: Recombinant Human Neuregulin-1 beta 2 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 61 amino acids and having a total molecular mass of 7055 Dalton. NRG-1 is purified by proprietary chromatographic techniques

Biological Activity: The ED50, calculated by the dose-dependant stimulation of human MCF-7 cells is < 0.5ng/ml, corresponding to a specific activity of > 2 x 10⁶ units/mg.

Purity: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Format: Lyophilized from a 0.2µm filtered solution (0.25mg/ml) in 20mM PB, pH 7.0, containing 0.5%HSA and 2% mannitol.

Reconstitution: It is recommended to reconstitute the lyophilized GDF15 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: Lyophilized MIC1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Heregulin should be stored at 4°C between 2-7 days and for future use below -18°C.
Please avoid freeze-thaw cycles.

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