

Human NRG1 B1 Recombinant Protein



RPPB0790

Product Information Protein Information

Product SKU:

RPPB0790

Host:

Escherichia Coli.

Protein description:

Recombinant Human Neuregulin-1/Heregulin-b1 produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 177-241) containing 65 amino acids and having a total molecular mass of 7.5kDa. NRG1-B1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Neuregulin-1, Heregulin-b1, NRG1-B1, NRG1 B1.

Formulation:

Lyophilized from a 0.2µm filtered solution in 1×PBS, pH 7.4 and 5% trehalose.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized NRG1-B1 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized NRG1-B1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NRG1-B1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

SHLVKCAEKE KTFCVNGGEC FMVKDLSNPS RYLCKCPNEF TGDRQCQNYVM ASFYKHLGIE FMEAE.

Biological Activity:

The ED50 was determined by the dose-dependent stimulation of the proliferation of human MCF-7 cells is less than 0.5ng/ml, corresponding to a specific activity of >2.0×106 units/mg.