

Human NRG1 A Recombinant Protein

RPPB0791

Product Information Protein Information

Product SKU:

RPPB0791

Host:

Escherichia Coli.

Protein description:

Recombinant Human Neuregulin-1/Heregulin Alpha (EGF Domain) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 65 amino acids and having a total molecular mass of 7.4kDa. NRG1-A is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Neuregulin-1, Heregulin Alpha, NRG1-A, NRG1 A.

Formulation:

Lyophilized from a 0.2µm filtered solution in 20mM PB, pH 6.0 and 150mM NaCl.

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-A in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized NRG1-A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NRG1-A 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 RYLCKCQPGF TGARCTENVP MKVQNQEKAEL YQK.

Biological Activity:

The ED50 was determined by the dose-dependent stimulation of the proliferation of human MCF-7 cells is less than 40 ng/ml, corresponding to a specific activity of > 2.5×10⁴ units/mg.