

Human HB-EGF Recombinant Protein



RPPB0269

Product Information Protein Information

Product SKU:

RPPB0269

Accession:

Q99075

Host:

Escherichia Coli.

Protein description:

HB-EGF Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 87 amino acids and having a molecular mass of 9.9kDa. The HB-EGF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

HBEGF, DTR, DTS, HEGFL, HB-EGF, Diphtheria toxin receptor, DT-R, DTSF.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM sodium phosphate pH-7.5.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

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

Stability:

Lyophilized Human HB-EGF Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HB-EGF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MDLQEADLDL LRVTLSKPQ ALATPNKEEH GKRKKKGKGL GKKRDPCLRK YKDFCIHGEC KYVKELRAPSCICHPGYHGE RCHGLSL.

Biological Activity:

The ED₅₀ was determined by the ability to induce proliferation of 3T3 cells and is 0.13-0.2ng/ml. This corresponds to an expected specific activity of 7.7 x 10⁶units/mg.