

Human EGF Long Recombinant Protein



RPPB0166

Product Information Protein Information

Product SKU:

RPPB0166

Accession:

P01133

Host:

Escherichia Coli.

Protein description:

Recombinant Human EGF Long produced in E.coli cells is a single non-glycosylated, polypeptide chain containing 106 amino acids and having a molecular mass of 12.3kDa. The EGF Long is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Urogastrone, URG, EGF.

Formulation:

The EGF Long was lyophilized from a 0.2µm filtered concentrated solution in 10mM HCl.

Purity:

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

Solubility:

It is recommended to reconstitute the lyophilized EGF Long in sterile 100mM AcOH (acetic Acid) not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized EGF Long although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EGF Long 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:

MFPAMPLSSL FANAVLRAQH LHQLAADTYK EFERAYIPEG QRYSIQVNFA HYGNSDSECP LSHDGYCLHD
GVCMYIEALD KYACNCVVG YIGERCQYRDL KWWELR

Biological Activity:

The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10⁶ IU/mg.