

RMGH120

Recombinant EGF, Human, GMP

 100ug;

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Synonym/Alternative name(s) : Urogastrone, URG**Activity:**

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is 0.05-0.12 ng/mL.

The specific activity of recombinant human EGF is approximately $>1.4 \times 10^6$ IU/mg.

Protein Description:

Human epidermal growth factor (EGF) is a 6 kDa cytokine with 53 amino acid residues. EGF is mainly secreted from ectodermal cells, monocytes, kidney and duodenal glands. Upon binding to its receptor, EGFR, EGF acts to stimulate cell growth and proliferation of epithelial cells, play important roles in many developmental processes including accelerate tooth eruption, inhibits gastric acid secretion, and involve in wound healing.

Protein Accession : P01133.2**Gene ID :** 1950**Expression Sequence:**

MNSDSECLPSHDGYCLHDGVCMYIEALDKYACNCVVGIGERCQYRDLKWWELR with polyhistidine tag at the C-terminus

Fusion tag : His-tag at the C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 7.16 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:

kDa

75-

60-

45-

35-

25-

17-

11-



SDS- PAGE analysis of GMP human
EGF