

CHAMOT

Recombinant EGF, Human, GMP

CM120-100HPG

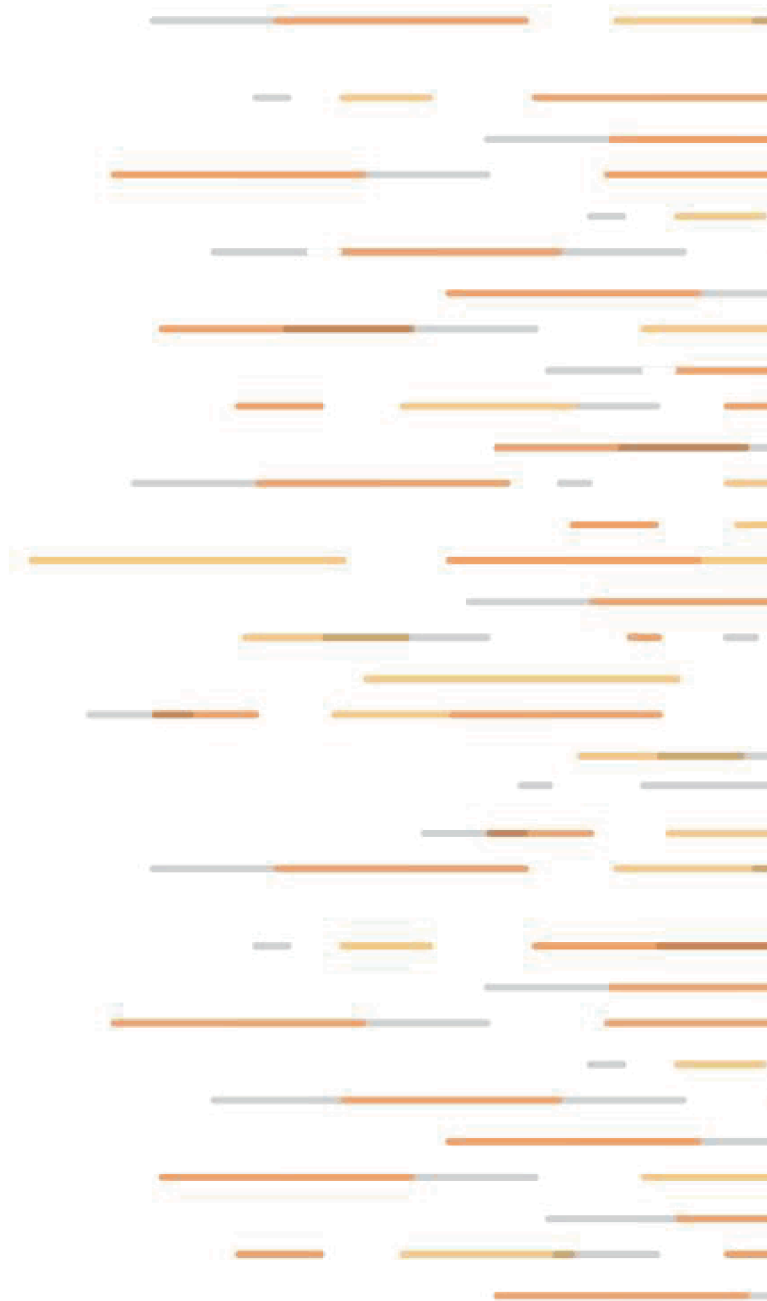
CM120-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant EGF, Human, GMP

Catalog#	CM120-100HPG	CM120-1000HPG
Size	100 ug	1 mg

Product Specifications

Background 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.

Synonyms epidermal growth factor, Urogastrone, URG

Uniprot ID P01133

Molecular Weight The protein has a calculated MW of 7.16 kDa. The protein migrates as 9-11 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >97% as determined by SDS-PAGE analysis.

Activity Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <1.0 ng/mL. The specific activity of recombinant human EGF is approximately >1.0 x 10⁶ IU/mg.

Endotoxin Level <0.05 EU per 1 µg of the protein by the LAL method.

Protein Sequence MNSDSECPLSHDGYCLHDGVCMYIEALDKYACNCVVG YIGERCQYRDLKWWELR with polyhistidine tag at the C-terminus

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Application Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

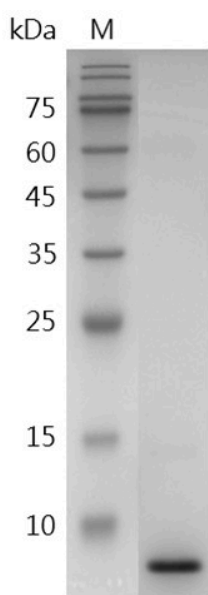
Stability & Storage

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. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of GMP human EGF

For Research Use or Further Manufacturing Only

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