

Active Recombinant Human EGF protein(Asn971-Arg1023), hFc-tagged

Cat. No. EGF-201H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGF (NP_001954.2) (Asn 971-Arg 1023) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	Asn971-Arg1023
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using Balb/C 3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.3-1.5 ng/mL.
Molecular Mass	The recombinant human Fc/EGF chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 290 amino acids and has a calculated molecular mass of 33 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhFc/EGF monomer is approximately 37 kDa due to the glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name EGF epidermal growth factor [Homo sapiens]

Official Symbol EGF

Synonyms EGF; epidermal growth factor; epidermal growth factor (beta urogastrone); pro-epidermal growth factor; beta-urogastrone; URG; HOMG4;

Gene ID 1950

mRNA Refseq NM_001178130

Protein Refseq NP_001171601

MIM 131530

UniProt ID P01133

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