

Active Recombinant Human EGF protein, Low Endotoxin

Cat. No. EGF-138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGF protein(P01133-1)(Asn971-Arg1023) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	971-1023 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human EGF, No Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human EGFR, hFc Tag with the EC50 of 1.56µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 5.6 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Reconstitution Dissolve the lyophilized protein in distilled water.

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

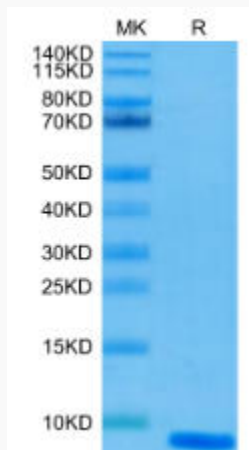
mRNA Refseq NM_001178130

Protein Refseq NP_001171601

MIM 131530

UniProt ID P01133

Bis-Tris PAGE

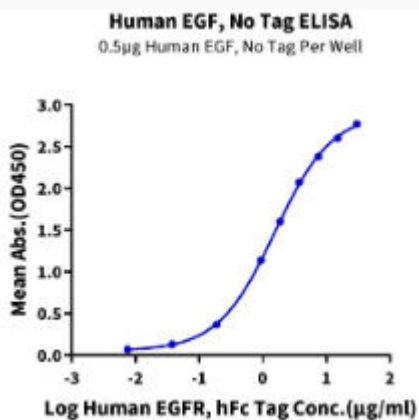


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ELISA Data



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