

Active Recombinant Human EGF protein

Cat. No. EGF-06H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human EGF protein(P01133-1)(Asn971-Arg1023) is expressed from E.coli without tag.
Species	Human
Source	E. coli
ProteinLength	971-1023 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Measured in a cell proliferation assay using Balb/C 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.1 - 0.2 ng/mL.
Molecular Mass	The protein has a predicted MW of 5.6 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 0.2 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

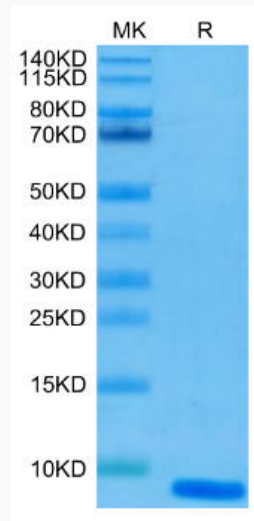
Gene Name	EGF epidermal growth factor [Homo sapiens]
Official Symbol	EGF
Synonyms	EGF; epidermal growth factor; epidermal growth factor (beta urogastrone); pro-epidermal growth factor; beta-urogastrone; URG; HOMG4;
Gene ID	1950
mRNA Refseq	NM_001178130
Protein Refseq	NP_001171601
MIM	131530
UniProt ID	P01133

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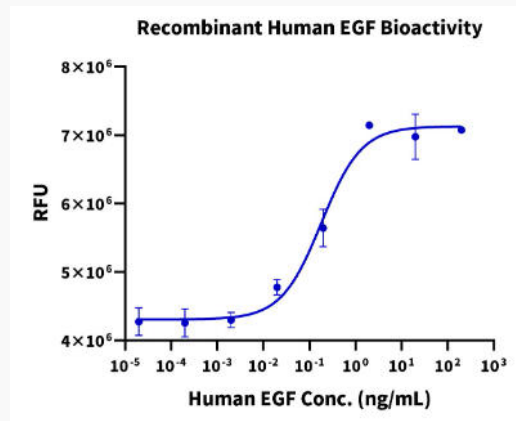
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Bis-Tris PAGE



Cell Based Assay



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