

## Active Recombinant Human EGF, His-tagged

Cat. No. EGF-470H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EGF (Accession # CAA28240) Met1-Arg1023, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	1-1023 a.a.
<b>Predicted N Terminal</b>	Ser21
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. Rubin, J.S. et al. (1991) Proc. Natl. Acad. Sci. USA 88:415. The ED50 for this effect is typically 1-5 ng/mL.
<b>Molecular Mass</b>	Recombinant Human EGF, His-tagged has a calculated MW of 112 kDa. In SDS-PAGE migrates as 138-145 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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**Reconstitution** Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## 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

**Chromosome Location** 4q25

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