

# 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 µg/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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