

RP00359

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# Recombinant Human EGF Protein

Catalog No.: RP00359

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	1950	P01133

**Tags**  
No tag

**Synonyms**  
EGF;HOMG4;URG

## Background

This protein belongs a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

## Product Information

Source	Purification
	> 95% by SDS-PAGE.

**Endotoxin**  
< 1 EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 200 mM NaCl, pH 7.0. Contact us for customized product form or formulation.

**Reconstitution**  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Basic Information

**Description**  
Recombinant Human EGF Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Asn971-Arg1023) of human EGF (Accession #P01133).

**Bio-Activity**  
Measured by the dose-dependent proliferation of murine BALB/c 3T3 cells. The ED<sub>50</sub> is less than 2 ng/mL.

**Storage**  
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

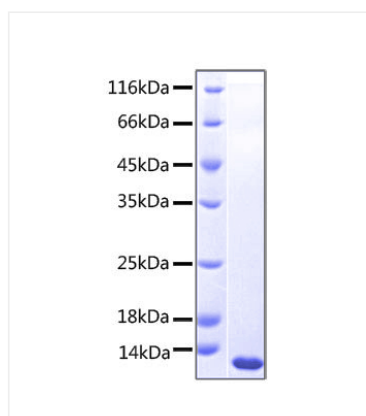
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant protein Human EGF was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 10 kDa.