

RP00628

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# Recombinant Mouse EGF Protein

Catalog No.: RP00628

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	13645	P01132

### Tags

C-6×His

### Synonyms

beta-urogastrone;EGF;epidermal growth factor (beta-urogastrone);epidermal growth factor;HOMG4;pro-epidermal growth factor;URG;Urogastrone;EGF

## Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

### Endotoxin

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

### Formulation

Lyophilized from a 0.2 μM filtered solution of PBS pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in 1X PBS.

## Background

EGF is a single-pass type I membrane protein, containing 8 LDL-receptor class B repeats and 9 EGF-like domains. EGF results in cellular proliferation, differentiation, and survival. EGF is a low-molecular-weight polypeptide first purified from the mouse submandibular gland, but since then found in many human tissues including submandibular gland, parotid gland. Salivary EGF, which seems also regulated by dietary inorganic iodine, also plays an important physiological role in the maintenance of oro-esophageal and gastric tissue integrity. The biological effects of salivary EGF include healing of oral and gastroesophageal ulcers, inhibition of gastric acid secretion, stimulation of DNA synthesis as well as mucosal protection from intraluminal injurious factors such as gastric acid, bile acids, pepsin, and trypsin and to physical, chemical and bacterial agents.

## Basic Information

### Description

Recombinant Mouse EGF Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Asn977-Arg1029) of mouse EGF (Accession #P01132) fused with an initial Met at the N-terminus and a 6×His tag at the C-terminus.

### Bio-Activity

### 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.

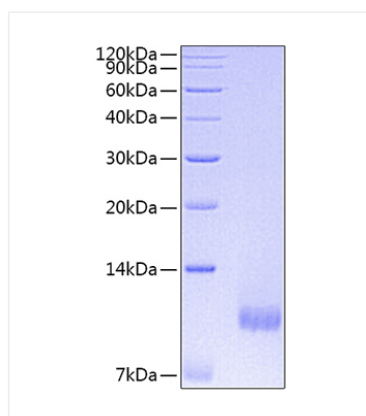
## Contact



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

## Validation Data

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Recombinant Mouse EGF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.