

RP00628

Leader in Biomolecular Solutions for Life Science



# 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 7.4Contact 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-likedomains. EGF results in cellular proliferation, differentiation, and survival.EGF is a low-molecular-weightpolypeptide first purified from the mouse submandibular gland, but since then found in many human tissuesincluding submandibular gland, parotid gland. Salivary EGF, which seems also regulated by dietary inorganiciodine, also plays an important physiological role in the maintenance of oro-esophageal and gastric tissueintegrity. The biological effects of salivary EGF include healing of oral and gastroesophageal ulcers, inhibitionof gastric acid secretion, stimulation of DNA synthesis as well as mucosal protection from intraluminalinjurious factors such as gastric acid, bile acids, pepsin, and trypsin and to physical, chemical and bacterialagents.

## 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.<br>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.

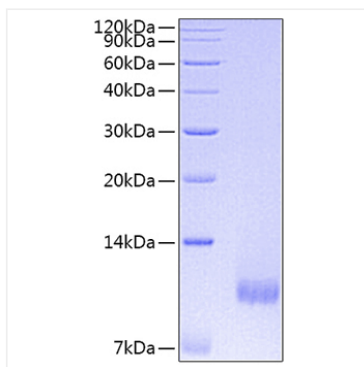
## Contact



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

## Validation Data

---



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