

# Canine EGF/Epidermal Growth Factor (His Tag) recombinant protein



Catalog Number: 500258

## General Information

### Gene Name Synonym

Epidermal growth factor

### Protein Construction

A DNA sequence encoding the mature form of canine EGF (Q9BEA0) (Asn 973-Arg 1024) was fused with a polyhistidine tag at the N-terminus.

### Organism

Canine

### Expression Host

E. coli

## QC Testing

### Activity

Measured in a cell proliferation assay using Balb 3T3 mouse embryonic fibroblasts. The EC<sub>50</sub> for this effect is typically 0.1-0.5 ng/ml.

### Purity

> 98 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant canine EGF consists of 68 amino acids and has a calculated molecular mass of 8.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of canine EGF is approximately 12 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

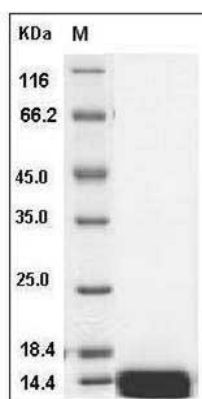
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Canine EGF / Epidermal Growth Factor Protein (His Tag) SDS-PAGE