

# **EGF** recombinant protein

CatalogNo: YD3048

## **| Key Features**

Reactivity

Human

### Recommended Dilution Ratios

## Storage

**Storage\*** -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

**Formulation** Phosphate-buffered solution

### **Basic Information**

Source	Mammalian cells
Purification	Mammalian cells
Purity	>90% as determined by SDS-PAGE

# Immunogen Information

**Squence** Amino acid:23-1032, with human FC tag.

## | Target Information

**Gene name** EGF

**Protein Name** Pro-epidermal growth factor (EGF) [Cleaved into: Epidermal growth factor (Urogastrone)]

Organism	Gene ID	UniProt ID	
Human	<u>1950</u> ;	<u>P01133</u> ;	

Cellular Localization Membrane; Single-pass type I membrane protein.

**Tissue specificity** Expressed in kidney, salivary gland, cerebrum and prostate.

**Function** EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro

and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. Can induce neurite outgrowth in motoneurons of the pond

snail Lymnaea stagnalis in vitro (PubMed:10964941).

### **| Validation Data**

#### **|** Contact information

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protein

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