

## EGF recombinant protein

CatalogNo: YD3048

### | Key Features

#### Reactivity

- Human

### | Storage

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

**Formulation** Phosphate-buffered solution

### | Recommended Dilution Ratios

### | Basic Information

**Source** Mammalian cells

**Purification** Mammalian cells

**Purity** >90% as determined by SDS-PAGE

### | Immunogen Information

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

### | Target Information

**Gene name** EGF

|                              |  |                       |                         |
|------------------------------|--|-----------------------|-------------------------|
| <b>Protein Name</b>          | Pro-epidermal growth factor (EGF) [Cleaved into: Epidermal growth factor (Urogastrone)]  |                       |                         |
|                              | <b>Organism</b>  | <b>Gene ID</b>        | <b>UniProt ID</b>       |
|                              | Human  | <a href="#">1950;</a> | <a href="#">P01133;</a> |
| <b>Cellular Localization</b> | Membrane; Single-pass type I membrane protein.   |                       |                         |
| <b>Tissue specificity</b>    | Expressed in kidney, salivary gland, cerebrum and prostate.  |                       |                         |
| <b>Function</b>              | 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 <i>Lymnaea stagnalis</i> in vitro (PubMed:10964941). |                       |                         |

## | Validation Data

## | Contact information

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