

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

Sequence 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

[1950](#);

[P01133](#);

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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