

EGF
Catalog # PVGS1689

Specification

EGF - Product Information

Primary Accession [Q00968](#)
Species
Porcine

Sequence
Arg969-Arg1022

Purity
≥ 95% as analyzed by SDS-PAGE

Endotoxin Level
< 0.2 EU/ µg of protein by gel clotting method

Biological Activity
ED50 < 0.2 ng/ml, measured by a cell proliferation assay using BALB/3T3 cells, corresponding to a specific activity of > 5.0 × 10⁶ units/mg.

Expression System
E.coli

Theoretical Molecular Weight
6.3 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in 50mM Tris, pH8.0**

Reconstitution
Before opening, centrifuge the vial briefly to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O up to 100 µg/ml

Storage & Stability
Upon receiving, the lyophilized product remains stable for up to 6 months at lower than -70 °C. Upon reconstitution, the product is stable for up to 1 week at 4 °C or up to 3 months at -20 °C. Avoid repeated freeze-thaw cycles by making single-use aliquots before the solution is stored at -20 °C.

EGF - Additional Information

Gene ID 397083

Other Names
Pro-epidermal growth factor, EGF, Epidermal growth factor, EGF

Target Background
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 (By similarity).

EGF - Protein Information

Name EGF

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 (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein.

EGF - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EGF - Images