

**EGF**  
**Catalog # PVGS1755****Specification**

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**EGF - Product Information**

Primary Accession  
**Species**  
Chicken

[A0A8V0XEN7](#)

**Sequence**  
Gly976-Ala1030

**Purity**  
≥ 95% as analyzed by SDS-PAGE

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

**Biological Activity**  
ED<sub>50</sub> < 0.2 ng/ml, measured by a cell proliferation assay using BALB/3T3 cells, corresponding to a specific activity of > 5.0 × 10<sup>6</sup> units/mg.

**Expression System**  
<i>P. pastoris</i>

**Theoretical Molecular Weight**  
6.2 kDa

Formulation **Lyophilized from a 0.2 µm filtered solution in 1×PBS, pH 7.2**

**Reconstitution**  
Before opening, centrifuge the vial briefly to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH<sub>2</sub>O up to 100 µg/ml

**Storage & Stability**  
Upon receiving, this product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable up to 1 week at 4 °C or up to 3 months at -20 °C. Avoid repeated freeze-thaw cycles.

**EGF - Additional Information**

**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.

**EGF - Protein Information**

## **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**