

## 32-12037: Mouse Epidermal Growth Factor-Biotin Conjugate(Discontinued)

**Gene :** Egf  
**Gene ID :** 13645  
**Uniprot ID :** P01132  
**Alternative Name :** Urogastrone, URG

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 7 kDa (61 aa)

Epidermal growth factor (EGF) is a growth factor that stimulates the proliferation, differentiation, and survival of epithelial and epidermal cells. EGF contains three intramolecular disulfide bonds and binds in high affinity to the epidermal growth factor receptor (EGFR). The recombinant EGF-Biotin conjugate has an N-terminal leader sequence containing a biotin molecule. There is half of a biotin molecule per EGF protein. The biotin conjugate does not alter the biological activity of the EGF protein.

### Product Info

**Amount :** 20 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
**Content :** In solution: 0.5 mg/mL in sterile PBS  
**Storage condition :** Centrifuge vial before opening. DO NOT VORTEX. Store at 4°C.  
**Amino Acid :** MKKIDDDKNS YPGCPSSYDG YCLNGGVCMH IESLDSYTCN CVIGYSGDRC QTRDLEWWEL R

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by 3T3 cell proliferation at  $\leq 250$  pg/mL;  $\geq 4.0 \times 10^6$  units/mg (typical ED50 is 10-100 pg/mL).



