

## 32-7023: Recombinant Human Epidermal Growth Factor/EGF

**Gene :** EGF  
**Gene ID :** 1950  
**Uniprot ID :** P01133

### Description

Source: E.coli.  
MW :6.2kD.

Recombinant Human Epidermal Growth Factor is produced by our E.coli expression system and the target gene encoding Asn971-Arg1023 is expressed. Epidermal growth factor (EGF) is a small mitogenic protein that is thought to be involved in mechanisms such as normal cell growth, oncogenesis, and wound healing. This protein shows both strong sequential and functional homology with human type-alpha transforming growth factor (hTGF alpha), which is a competitor for EGF receptor sites. EGF is a small 53 amino acid residue long protein that contains three disulfide bridges

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 200mM NaCl, pH 7.0.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** NSDSECLSHDGYCLHDGVCMYIEALDKYACNCVVGYGIGERCQYRDLKWWELR

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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

**Biological Activity :** ED50 is less than 2 ng/ml.