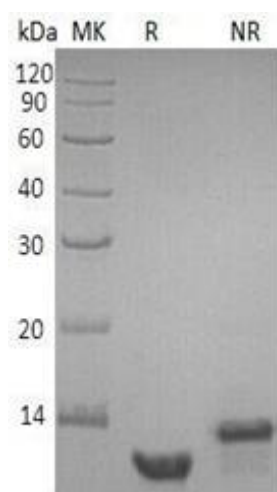


## Recombinant Human EGF

Catalog No: C029

Description	Recombinant Human Epidermal Growth Factor is produced by our E. coli expression system and the target gene encoding Asn971-Arg1023 is expressed.		
Source	E. coli		
Alternative name	Pro-Epidermal Growth Factor; EGF; Epidermal Growth Factor; Urogastrone		
Accession No.	P01133		
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 200mM NaCl, pH 8.0.		
Quality Control	Bioactivity*	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 60-450 pg/ml.	
	Purity:	Greater than 95% as determined by reducing SDS-PAGE.	
	Endotoxin:	Less than 0.1 ng/µg (1 IEU/µg).	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.		
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. 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.		
Background	Epidermal growth factor (EGF) is a small 53 amino acid residue long protein that contains three disulfide bridges. It is a small mitogenic protein that is thought to be involved in mechanisms such as normal cell growth, oncogenesis, and wound healing. EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. 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.		

### SDS-PAGE



R: sample in reducing condition  
NR: sample in non-reducing condition