

Active Recombinant Human EGF Protein

Cat. No. EGF-138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Epidermal Growth Factor is produced by our E. coli expression system and the target gene encoding Asn971-Arg1023 is expressed.
Species	Human
Source	E.coli
ProteinLength	971-1023 a.a.
Description	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.
Form	Lyophilized from a 0.2 um filtered solution of 20mM PB, 200mM NaCl, pH 7.0.
Bio-activity	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 60-450 pg/ml.
AA Sequence	Asn971-Arg1023
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

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Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
GENE INFORMATION	
Gene Name	EGF epidermal growth factor [Homo sapiens (human)]
Official Symbol	EGF
Synonyms	Pro-Epidermal Growth Factor; Epidermal Growth Factor; Urogastrone; URG; HOMG4
Gene ID	1950
mRNA Refseq	NM_001178130.3
Protein Refseq	NP_001171601.1
MIM	131530
UniProt ID	P01133

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