Active Recombinant Human Epidermal Growth Factor

Cat. No. EGF-6H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EGF is produced by genetically engineered yeast, and purified by sequential chromatography and reverse-phase HPLC.
Species	Human
Source	yeast
Form	Lyophilized powder
Bio-activity	The mitogenic activity of human EGF is measured by the stimulation of 3H-thymidine incorporation into human foreskin fibroblast cells. In addition, EGF activity has been determined by a receptor-binding assay (RBA) using A-431 cells.
Purity	Over 97% pure by N-terminal amino acid sequencing, amino acid composition, HPLC analysis, and SDS gel electrophoresis.
Stability	Several months at +4°C. In solution, at pH 4-7, is stable for 2-3 months at -20°C.
Storage	Store at +4°C. Reconstitution is best in water or buffer near neutral pH.

GENE INFORMATION

Gene Name	EGF epidermal growth factor [Homo sapiens (human)]
Official Symbol	EGF

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Synonyms	EGF; epidermal growth factor (beta-urogastrone); URG; HOMG4; epidermal growth factor; beta-urogastrone; Pro-epidermal growth factor; Epidermal growth factor; Urogastrone; OTTHUMP00000162922; OTTHUMP00000219721; OTTHUMP00000219722
Gene ID	1950
mRNA Refseq	NM_001963
Protein Refseq	NP_001954
MIM	131530
UniProt ID	P01133
Chromosome Location	4q25
Pathway	Bladder cancer; Cytokine-cytokine receptor interaction; Endocytosis; Endometrial cancer; ErbB signaling pathway; Focal adhesion; Gap junction;
Function	calcium ion binding; epidermal growth factor receptor binding; growth factor activity; protein binding; transmembrane receptor protein tyrosine kinase activator activity

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