

Active Native Human EGF protein

Cat. No. EGF-23H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human EGF protein was purified from Male urine.
Species	Human
Source	Male Urine
Description	Human epidermal growth factor (hEGF), also called Urogastrone, is a kind of polypeptide hormone with 53 amino acids and has three intramolecular disulfide bonds. It stimulates the growth of a variety of cell types in culture as well as the growth and differentiation of certain tissues in vivo. Our high purity hEGF product is made from human urine based on our proprietary protein online-absorption and column chromatography technology. The purity of our product is greater than 98% as determined by Tricine-SDS-PAGE and its biological activity is higher than 4.5×10^8 IU/g. Our product is isolated from human urine and has no heterologous proteins.
Form	white powder
Bio-activity	4.5×10^8 IU/g
Purity	Greater than 98%, a single band in Tricine-SDS-PAGE
Storage	Below -10 centigrade

GENE INFORMATION

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Gene Name	EGF epidermal growth factor [Homo sapiens]
Official Symbol	EGF
Synonyms	EGF; epidermal growth factor; epidermal growth factor (beta urogastrone); pro-epidermal growth factor; beta-urogastrone; URG; HOMG4;
Gene ID	1950
mRNA Refseq	NM_001178130
Protein Refseq	NP_001171601
MIM	131530
UniProt ID	P01133
Chromosome Location	4q25
Pathway	Arf6 signaling events, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Ceramide signaling pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem;
Function	calcium ion binding; epidermal growth factor receptor binding; growth factor activity; protein binding; transmembrane receptor protein tyrosine kinase activator activity;