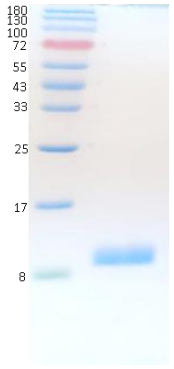
EGF (His tag)

EGPS009

Catalog Number:	EGPS009
Amount:	10 ug
Other names:	Epidermal Growth Factor; HOMG4; URG
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.
Expression system:	EGF, produced in E.coli is a single non-glycosylated polypeptide chain containing 53 amino acids. A fully biologically active molecule has a molecular mass of 6.2 kDa. The apparent molecular mass of the protein is approximately 10kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species:	Human
Source:	E. coli
Amino acid sequence:	NSDSECPLSHDGYCLHDGVCMYIEALDKYACNCVVGYIGERCQYRDLKW WELR.
Accession #:	P01133
Molecular Weight:	6.2 kDa. The apparent molecular mass of the protein is approximately 10 kDa with 6XHis tag observed by reducing SDS-PAGE.
Purity:	> 95% as analyzed by SDS-PAGE. The concentration is 0.96 mg/ml.
Formulation:	Purified protein solution after extensive dialysis against PBS, pH 7.4.
Endotoxin:	Less than 0.2 EU/μg determined by LAL test.
Storage/Stability:	Samples are stable for twelve months from date of receipt storing at -20℃. Please avoid repeated freeze-thaw cycles.



SDS-PAGE of EGF (Cat#:EGPS009).

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