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Recombinant Human EGF

Catalog#:P00033 Derived from *E.coli*

DESCRIPTION	Recombinant Human Epidermal Growth Factor is produced by our E.coli expression system and the target gene encoding Asn971-Arg1023 is expressed. Accession#: P01133 Known as: Pro-Epidermal Growth Factor; EGF; Epidermal Growth Factor; Urogastrone
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 200mM NaCl, pH 8.0.
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.
RECONSTITUTION	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	Mol Mass：6.2kDa AP Mol Mass：11kDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
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.
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