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Product Datasheet

Recombinant Human EGF EBT-EPT004

Artikelname	Recombinant Human EGF
Artikelnummer	EBT-EPT004
Hersteller Artikelnummer	EPT004
Alternativnummer	EBT-EPT004-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Human Epidermal Growth Factor is produced by our E.coli expression system and the target gene encoding Asn971-Arg1023 is expressed....
Molekulargewicht	Molecular weight: 6.2 KDa. Apparent molecular weight: 11 KDa, reducing conditions
UniProt	P01133
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung

Redissolve: 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.. Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 60-450 pg/ml. 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.