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32-1137: mEGF Native Protein

Alternative Name : Urogastrone,URG,EGF.

Description

Source : Mouse Submaxillary Gland. Epidermal Growth Factor Mouse purified from submaxillary gland is a single, glycosylated, polypeptide chain having a molecular mass of 6.1 kDa.The EGF is purified by proprietary chromatographic techniques. Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide.EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein was lyophilized from a concentrated (1mg/ml) solution containing 0.01M sodium acetate buffer.
Storage condition :	Lyophilized Epidermal Growth Factor Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EGF should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized Epidermal Growth Factor in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The biological activity is measured in a proliferation assay using BALB/MK cells.