

## 32-1139: mEGF, His Recombinant Protein

**Alternative Name :** Urogastrone,URG,EGF.

### Description

Source : E.coli. EGF mouse Recombinant produced in E. coli is a single polypeptide chain containing 77 amino acids (977-1029) and having a molecular mass of 8.6kDa. EGF is fused to a 24 amino acid His-tag at N-terminus & 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

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The EGF solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMSYPCG PSSYDGYCLN GGVCMHIESL DSYTCNCVIG YSGDRCQTRD LRWWELR.