

### 32-6334: EGF Mouse, His Active

**Application :** Functional Assay

**Alternative Name :** A1790464, Pro-epidermal growth factor, URG.

#### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

Pro-Epidermal Growth Factor Isoform 1 or EGF, is a globular peptide (77aa residues) which includes three intra molecular disulfide bonds. This protein acts as a growth factor that mediates the growth and proliferation of different epithelial & epidermal cells. Among other processes that EGF is part of are inhibition of gastric secretion and wound healing. EGF is a ligand for class I tyrosine kinase receptor (c-erbB).

EGF Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 77 amino acids (977-1029 a.a) 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.

#### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** EGF protein solution (0.25mg/ml) contains 10% glycerol, 20mM Tris-HCl (pH 8.0), 0.1M NaCl & 2mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMNSYPGC PSSYDGYCLN GGVCMHIESL DSYTCNCVIG YSGDRCQTRD LRWWELR.

#### Application Note

Measured in a cell proliferation assay using mouse Balb/3T3 cell. The ED50 for this effect less or equal to 1ng/ml.