

32-1217: HB-EGF His Recombinant Protein

Alternative Name : Proheparin-binding EGF-like growth factor,HBEGF,DTR,DTS,HEGFL,HB-EGF,Heparin-binding EGF-like growth factor,Diphtheria toxin receptor,DT-R,DTSF.

Description

Source : Escherichia Coli. HB-EGF His Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 109 amino acids (63-148) and having a molecular mass of 12.1kDa.HB-EGF His is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. HB-EGF is an EGF related growth factor which signals via the EGF receptor, and stimulates the proliferation of SMC (smooth muscle cells), fibroblasts, epithelial cells and keratinocytes. HB-EGF is expressed in various cell types and tissues, including vascular endothelial cells and SMC, macrophages, skeletal muscle, keratinocytes and particular tumor cells. HB-EGF's ability to explicitly bind heparin and heparin sulfate proteoglycans is dissimilar from other EGF-like molecules, and might be related to the enhanced mitogenic activity, relative to EGF, that HB-EGF exerts on smooth muscle cells.

Product Info

Amount : 10 µg
Purification : Greater than 85% as determined by SDS-PAGE.
Content : The HB-EGF His solution (0. 5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 50% glycerol.
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 MGSDLQEADL DLLRVTLSK PQALATPNKE EHGKRKKKGK
GLGKKRDPCL RKYKDFCIHG ECKYVKELRA PSCICHPGYH GERCHGLSL