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32-6339: EREG Human, His

Alternative Name : Epiregulin, Proepiregulin, ER, ERP.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
Epiregulin is part of the EGF family. Epiregulin functions as a ligand of EGFR, as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors.Epiregulin is expressed mostly in the placenta and peripheral blood leukocytes and in specific carcinomas of the bladder, lung, kidney and colon. Epiregulin stimulates the proliferation of keratinocytes, hepatocytes, fibroblasts and vascular smooth muscle cells. Epiregulin inhibits the growth of several tumor-derived epithelial cell lines. Human Epiregulin is initially synthesized as a glycosylated 19.0 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce a 6.0 kDa mature secreted sequence.
EREG Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 69 amino acids (63-108 a.a) and having a molecular mass of 7.7kDa. EREG is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 25 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE
Content :	EREG protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% 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 MGSVSITKCS SDMNGYCLHG QCIYLVDMSQ NYCRCEVGYT GVRCEHFFL.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.