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32-13644: EREG Human, HEK

Format : EREG protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
Alternative Name : EPR, Epiregulin, Ep, ER, Proepiregulin, EREG.

Description

Source:HEK293 cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivityMeasured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 range = 1ug/ml.
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 HEK293 cells is a single, glycosylated polypeptide chain (63-108a.a) containing 289 amino acids and having a molecular mass of 32.6 kDa.EREG is fused to a 239 amino acid hIgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
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 :	DGSMVSITKC SSDMNGYCLH GQCIYLVDMS QNYCRCEVGY TGVRCEHFFL LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGKHHHHHH