9051 Mira Mesa Blvd, #910094
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EREG Human, HEK

Epiregulin Human Recombinant, HEK
CYK0145

Product Overview

Name	EREG Human, HEK
Description	
Epiregulin Human Recombinant, HEK	
Accession (Primary)	O14944
Synonyms	
EPR, Epiregulin, Ep, ER, Proepiregulin, EREG.	
Introduction	
"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."	
Source	
HEK293 cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
EREG protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
DGSMVSITKC SSDMNGYCLH GQCIYLVDMS QNYCRCEVGY TGVRCEHFFL LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS	

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VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGKHHHHHH

Biological Activity

Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 range ≤ 1ug/ml.

Precautions

EREG Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14944)