

Product datasheet for **TP723085**

EREG (NM_001432) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human epiregulin (EREG).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MVAQVSITKC SSDMNGYCLH GQCIYLVDM S QNYRCCEVGY TGVRCEHFFL
Tag:	Tag Free
Predicted MW:	5.6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	ED50 was determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells is less than or equal to 2.0 ng/ml, corresponding to a specific activity of $> 5 \times 10^5$ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C .
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001423
Locus ID:	2069
UniProt ID:	O14944
RefSeq Size:	4627
Cytogenetics:	4q13.3
RefSeq ORF:	507
Synonyms:	Ep; EPR; ER



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Summary:

This gene encodes a secreted peptide hormone and member of the epidermal growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation, wound healing, oocyte maturation, and cell proliferation. Additionally, the encoded protein may promote the progression of cancers of various human tissues. [provided by RefSeq, Jul 2015]

Protein Families:

Secreted Protein, Transmembrane

Protein Pathways:

ErbB signaling pathway

Product images: