Bioactive

EREG (Human) Recombinant Protein

Catalog # P8568 Size 25 ug

Specification

Product Description	Human EREG (O14944) recombinant protein expressed in *Escherichia coli*.
Sequence	VAQVSITKCSSDMNGYCLHGQCIYLVDMSQNYCRCEVGYTGVRCEHFFL.
Host	Escherichia coli
Theoretical MW (kDa)	5.6
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by SDS-PAGE
Activity	The ED_{50} was determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells is < 2.0 ng/mL, corresponding to a specific activity of > 500,000 units/mg.
Storage Buffer	Epiregulin was lyophilized from 0.5mg/ml solution ciontaing 20mM PBS buffer pH-7.4 containing 20 mM sodium chloride.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — EREG

Entrez GeneID	2069

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Protein Accession#	O14944
Gene Name	EREG
Gene Alias	ER
Gene Description	epiregulin
Omim ID	602061
Gene Ontology	Hyperlink
Gene Summary	Epiregulin is a member of the epidermal growth factor family. Epiregulin can function as a ligand of EGFR (epidermal growth factor receptor), as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors. [provided by RefSeq
Other Designations	-

Pathway

- ErbB signaling pathway

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