

Active Recombinant Human EREG Protein

Cat. No. EREG-023H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human Epiregulin protein containing 46aa (V63-L108) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	63-108 a.a.
Description	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.
Bio-activity	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 0.125-0.75 ng/mL.
Molecular Mass	5.4 kDa
Product-Related Proteins	63-108

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
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Purity	> 95 % as determined by SDS-PAGE
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Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
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Storage Buffer	PBS
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GENE INFORMATION

Gene Name	EREG epiregulin [Homo sapiens (human)]
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Official Symbol	EREG
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Synonyms	EREG; epiregulin; ER; Ep; EPR; proepiregulin
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Gene ID	2069
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mRNA Refseq	NM_001432
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Protein Refseq	NP_001423
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MIM	602061
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UniProt ID	O14944
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