

Recombinant Human EREG Protein, His-tagged

Cat. No. EREG-1438H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EREG Protein (Val63-Leu108) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val63-Leu108
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 9.0 kDa Accurate Molecular Mass: 11 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

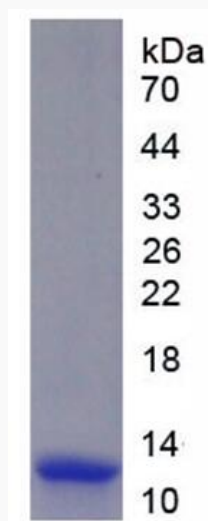
GENE INFORMATION

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

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