

Recombinant human Epiregulin protein

Catalog Number: ATGP2923

PRODUCT INFORMATION

Expression system

E.coli

Domain

63-108aa

UniProt No.

O14944

NCBI Accession No.

NP_001423

Alternative Names

Proepiregulin, Proepiregulin, ER

PRODUCT SPECIFICATION

Molecular Weight

7.7 kDa (69aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

EREG, also known as epiregulin, is a member of the epidermal growth factor family. It 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. It may be a mediator of localized cell proliferation. As a mitogen it may stimulate cell proliferation and/or angiogenesis. Recombinant human EREG protein, fused to His-tag at N-terminus, was expressed in E. coli.

Recombinant human Epregrulin protein

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSVSITKCS SDMNGYCLHG QCIYLVDM SQ NYCRCEVGYT GVRCEHFFL

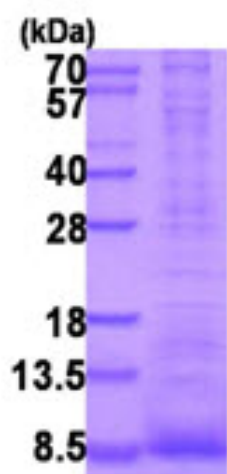
General References

Yun J. et al. (2012) Lab Invest. 92:1033-1044.

Thuong NT. et al. (2012) Genes Immun. 13:275-281.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)