

Recombinant human Epigen protein

Catalog Number: ATGP3682

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-110aa

UniProt No.

Q6UW88

NCBI Accession No.

NP_001257918

Alternative Names

Epigen isoform 1, EPGN, ALGV3072, EPG, PRO9904

PRODUCT SPECIFICATION

Molecular Weight

10.8 kDa (97aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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

EPGN, also known as epigen isoform 1, is a novel member of the epidermal growth factor superfamily. It is the last ligand of ErbB receptors and reveals intricate relationships between affinity and mitogenicity. It stimulated the proliferation of HaCaT cells, and this proliferation was blocked by an antibody to the extracellular domain of the receptor tyrosine kinase c-erbB-1. It also may constitute a novel molecular target for wound-healing therapy

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with its ability to promote the growth of epithelial cells. It has been reported to have high mitogenic activity but low affinity for its receptor. It has been reported in cancer specimens of the breast, bladder, and prostate. Recombinant human EPGN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

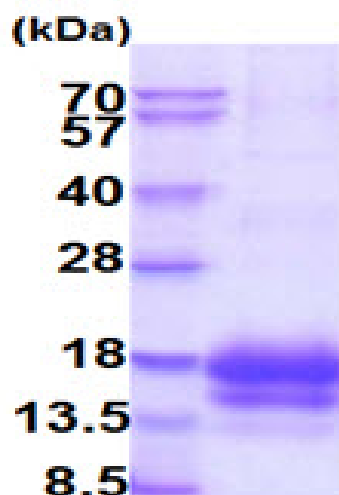
ADPAAVTVTP PITAQQGNWT VNKTEADNIE GPIALKFSHL CLEDHNSYCI NGACAFHHEL EKAICRCFTG YTGERCEHLT
LTSYAVDSYE KHHHHHH

General References

Kochupurakkal BS., et al. (2005) J Biol Chem. 280:8503-8512.
Strachan L., et al. (2001) J Biol Chem. 276:18265-18271.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)