

Datasheet for ABIN5855016

Epigen Protein (AA 23-110) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Epigen (EPGN)
Protein Characteristics:	AA 23-110
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Epigen protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPAAVTVTP PITAQQGNWT VNKTEADNIE GPIALKFSHL CLEDHNSYCI NGACAFHHEL EKAICRCFTG YTGERCEHLT LTSYAVDSYE KHHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	Epigen (EPGN)
Alternative Name:	EPGN (EPGN Products)
Background:	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

Target Details

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 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.

Molecular Weight: 10.8kDa (97aa) 13.5-18kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_001257918](#)

UniProt: [Q6UW88](#)

Pathways: [RTK Signaling, EGFR Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

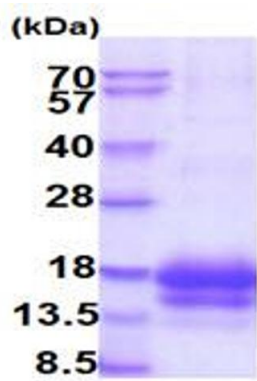
Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.