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Datasheet for ABIN987823

Epigen Protein

Overview

Quantity:	25 µg
Target:	Epigen (EPGN)
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	AVTVTPPITA QQADNIEGPI ALKFSHLCLE DHNSYINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS Y
Characteristics:	Determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells. The expected ED50 for this effect is 150-300 ng/ml, corresponding to a specific activity of > 3.3×10 ³ units/mg.
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuEPG as determined by LAL method

Target Details

Target:	Epigen (EPGN)
Alternative Name:	Epigen (EPG) (EPGN Products)
Background:	Epigen is an EGF-related polypeptide growth factor that signals through the ErbB receptor-1. It is produced in several tissues, including the testis, liver, heart and in certain tumor cells. Epigen is mitogenic for fibroblasts and epithelial cells. Human Epigen is initially synthesized as a

Target Details

glycosylated 14.7 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce a mature soluble sequence. Synonym: Epigen (EPG), Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Molecular Weight: Approximately 7.9kDa monomeric protein, containing 72 amino acid residues, which comprises the EGF homologous portion of the Epigen precursor.

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C