

## Datasheet for ABIN935330 Epigen Protein



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### Overview

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

### Product Details

Sequence:	AVTVTPPITA QQADNIEGPI ALKFSHLCLE DHNSYCINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA
Characteristics:	Purified recombinant Human Epigen protein Expression System: E.coli Bioactivity: Determined by the dose-dependent stimulation of the proliferation of Mouse Balb/3T3 cells. The expected ED50 for this effect is 150-300 ng/mL.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

### Target Details

Target:	Epigen (EPGN)
Alternative Name:	Epigen ( <a href="#">EPGN Products</a> )
Background:	Epigen is an EGF-related polypeptide growth factor that signals through the ErbB receptor-1. It

## Target Details

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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 glycosylated 14.7 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce a mature soluble sequence. Recombinant human Epigen is a 7.9 kDa monomeric protein, containing 72 amino acid residues, which comprises the EGF homologous portion of the Epigen precursor.

Alternative Names: EPG protein, Epithelial mitogen protein

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Molecular Weight: 7.9 kDa

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

## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Supplied as a lyophilized powder.

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Handling Advice: Avoid repeated freeze/thaw cycles.

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Storage: RT/-20 °C