

## Recombinant Human Epigen

Catalog # PBG10085

# Specification

## **Recombinant Human Epigen - Product Information**

## **Recombinant Human Epigen - Additional Information**

### **Description**

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

### **Biological**Activity

Determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells. The expected <strong>ED</strong><sub>50</sub> for this effect is 150-300 ng/ml.

#### **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

### **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

## **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

### **Storage**

-20°C

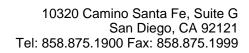
#### **Precautions**

Recombinant Human Epigen is for research use only and not for use in diagnostic or therapeutic procedures.

# Recombinant Human Epigen - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> Recombinant Human Epigen - Images