

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant Epigen, Human(CHO-expressed)

Catalog Number: BK0197-50µg

Source: CHO

Quantity: 50µg

### 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 precursor protein, which is processed by proteolytic cleavage to produce a mature soluble sequence.

### Molecular Weight:

15~20 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE.

### Biological Activity:

ED50 < 1 µg/ml, measured in a proliferation assay using 3T3 cells.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

AVTVTPPITAQQGNWTVNKTEADNIEGPIALKF-SHLCLEDHNSYCINGACAFHHELEKAICRCFT-GYTGERCEHLTLTSYA

### Endotoxin:

< 0.2 EU/µg, determined by LAL method.

### Reconstitution:

Reconstituted in ddH2O or PBS at 100 µg/ml.

### Storage:

Lyophilized recombinant Human Epigen remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Epigen should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

### Usage:

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