

## Epigen, Human(CHO-expressed)

**Cat. No.:** Z03107-10

**Size:** 10.0 ug

**Synonyms:** EPG, Epithelial mitogen

### 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.

### Amino Acid Sequence:

```
00001 AVTVTPPITA QQGNWTVNKT EADNIEGPIA LKFSHLCLED  
00041 HNSYCINGAC AFHHELEKAI CRCFTGYTGE RCEHLTLTSY  
00081 A
```

**Source:** CHO

**Species:** Human

**Biological Activity:** ED<sub>50</sub> < 1 µg/ml, measured in a proliferation assay using 3T3 cells.

**Molecular Weight:** 15 20 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against PBS.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

**Purity:** > 95% as analyzed by SDS-PAGE.

**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.

**Storage:** Lyophilized recombinant Human Epigen remains stable up to 6 months at lower than -70°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.