

Epigen, Human(CHO-expressed)

Cat. No.: Z03107-50

Size: 50.0 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:

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00001 AVTVTPPITA QQGNWTVNKT EADNIEGPIA LKFSHLCLD  
00041 HNSYCYNGAC AFHHELEKAI CRCFTGYTGE RCEHLTLTSY  
00081 A
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Source: CHO

Species: Human

Biological Activity: ED₅₀ < 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 ddH₂O 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.