

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Epigen, Human(CHO-expressed)

Catalog Number: BK0197-10µg

Source: CHO

Quantity: 10µg

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:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.