



Recombinant Human Epigen

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-335S
Size:	5 µg
Lot. No.:	According to product label

Sequence

AVTVTPPITA QQADNIEGPI ALKFSHLCLE DHNSYINGA
CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA

Database References

Protein RefSeq:	NP_001257922.1
Uniprot ID:	Q6UW88
mRNA RefSeq:	NM_001270993.1

Scientific Background

Gene-ID (NCBI):	255324
Synonyms:	EPGN; EPG; epigen; PRO9904; ALGV3072

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 7.9 kDa monomeric protein, containing 72 amino acid residues, which comprises the EGF homologous portion of the Epigen precursor.

Product Specifications

Expressed in	E. coli
Purity	98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	72
MW:	7.9 kDa

Biological Activity: Determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells. The expected ED50 for this effect is 150-300 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!