

Active Recombinant Human EPGN Protein

Cat. No. EPGN-290E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPGN Protein without tag was expressed in CHO.
Species	Human
Source	CHO
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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 1 µg/mL, measured in a proliferation assay using 3T3 cells.
Molecular Mass	15~20 kDa, observed by reducing SDS-PAGE.
AA Sequence	AVTVTPPITAQQGNWTVNKTEADNIEGPIALKFSHLCLEDHNSYINGACAFHHELEK AICRCFTGYTGERCEHLTLTSYA
Endotoxin	< 0.2 EU/µg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.

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Storage	Lyophilized recombinant Human Epigen remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Epigen should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
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Storage Buffer	Lyophilized after extensive dialysis against PBS.
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Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.
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GENE INFORMATION

Gene Name	EPGN epithelial mitogen homolog (mouse) [Homo sapiens]
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Official Symbol	EPGN
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Synonyms	EPGN; epithelial mitogen homolog (mouse); epigen; ALGV3072; EPG; PRO9904; FLJ75542;
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Gene ID	255324
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mRNA Refseq	NM_001013442
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Protein Refseq	NP_001013460
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MIM	618717
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UniProt ID	Q6UW88
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