

Active Recombinant Human EPGN Protein (72 aa)

Cat. No. EPGN-126E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPGN Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	72
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 14.7 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce a mature soluble sequence.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-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, corresponding to a Specific Activity of 3.3×10^3 IU/mg.
Molecular Mass	Approximately 7.9kDa monomeric protein, containing 72 amino acid residues, which comprises the EGF homologous portion of the Epigen precursor.
AA Sequence	AVTVTPPITAQQADNIEGPALKFSHLCLEDHNSYINGACAFHHELEKAICRCFTGYT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	GERCEHLTLTSYA
Endotoxin	Less than 1 EU/mg of rHuEPG as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	EPGN epithelial mitogen homolog (mouse) [Homo sapiens]
Official Symbol	EPGN
Synonyms	EPGN; epithelial mitogen homolog (mouse); epigen; ALGV3072; EPG; PRO9904; FLJ75542;
Gene ID	255324

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_001013442
Protein Refseq	NP_001013460
MIM	618717
UniProt ID	Q6UW88

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA