

## EPGN

## Recombinant Human Epigen

<b>Catalog No.</b>	CSI20122A CSI20122B CSI20122C	<b>Quantity:</b>	5 µg 25 µg 1.0 mg
<b>Alternate Names:</b>	EPG, EPGN		
<b>Description:</b>	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.		
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.		
<b>Gene ID:</b>	255324		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Approximately 7.9 kDa monomeric protein, containing 72 amino acid residues, which comprises the EGF homologous portion of the Epigen precursor.		
<b>Formulation:</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.		
<b>Purity:</b>	>98% by SDS-PAGE and HPLC analyses.		
<b>Endotoxin Level:</b>	Less than 1EU/µg of rHuEPG as determined by LAL method.		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> determined by a cell proliferation assay using mouse Balb/c 3T3 cells is less than 300 ng/ml		
<b>Amino Acid Sequence:</b>	AVTVTPPITA QQADNIEGPI ALKFSLCLE DHNSYCINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. <b>Avoid repeated freeze/thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

