

## 32-1148: EPGN Recombinant Protein

**Alternative Name :** EPG,Epigen,PRO9904,ALGV3072,FLJ75542,EPGN,Epithelial mitogen.

### Description

Source : Escherichia Coli. Epigen Recombinant Human produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 72 amino acids and having a molecular mass of 7.9 kDa. Epigen is purified by proprietary chromatographic techniques. EPGN is an EGF-related polypeptide growth factor that signals through the ErbB receptor-1. EPGN is produced in numerous tissues, including the testis, liver, heart and in certain tumor cells. EPGN is mitogenic for fibroblasts and epithelial cells. Human EPGN is originally synthesized as a glycosylated 14.7 kDa transmembrane precursor protein, which is processed by proteolytic cleavage to produce a mature soluble sequence.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	EPGN was lyophilized from 20mM PBS buffer pH-7.4 containing 130mM sodium chloride.
<b>Storage condition :</b>	Lyophilized Epigen although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EPGN should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	AVTVTPPITA QQADNIEGPI ALKFSLCLE DHNSYINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA.

### Application Note

It is recommended to reconstitute the lyophilized Epigen in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions. Determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells. The expected ED50 for this effect is 150-300ng/ml corresponding to a specific activity of 3,334-6,667IU/mg.

