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## Product Data Sheet

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Product Name: EPGN Human  
 Cat. No.: GP20188  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	EPG; Epigen; PRO9904; ALGV3072; FLJ75542; EPGN; Epithelial mitogen.		
Amino Acid Sequence	AVTVTPPITA QQADNIEGPI ALKFSHLCLE DHNSYINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA		
Solubility	It is recommended to reconstitute the lyophilized Epigen in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	EPGN was lyophilized from 20mM PBS buffer pH-7.4 containing 130mM sodium chloride.		

### Introduction

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.

### Stability

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.

### Background

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

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purified by proprietary chromatographic techniques.

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