9051 Mira Mesa Blvd, #910094
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EPGN Human

Epigen Human Recombinant
GRF0041

Product Overview

Name	EPGN Human
Description	
Epigen Human Recombinant	
Accession (Primary)	Q6UW88
Synonyms	
EPG, Epigen, PRO9904, ALGV3072, FLJ75542, EPGN, Epithelial mitogen.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
EPGN was lyophilized from 20mM PBS buffer pH-7.4 .	
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.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
AVTVTPPITA QQADNIEGPI ALKFSHLCLE DHNSYCINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA	
Biological Activity	
Determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells. The expected ED 50 for this effect is less than 300 ng/ml, corresponding to a specific activity of > 3.3 ×103 IU/mg.	

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Solubility

It is recommended to reconstitute the lyophilized Epigen in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

EPGN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q6UW88)