
Product Data Sheet

Product Name: EPGN Human, Sf9
Cat. No.: GP20190
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Epithelial mitogen; EPG; Epithelial Mitogen Homolog (Mouse); Epithelial Mitogen Homolog; ALGV3072; PRO9904; Epigen; EPGN.		
Amino Acid Sequence	ADPAAVTVTP PITAQQGNWT VNKTEADNIE GPIALKFSHL CLEDHNSYCI NGACAFHHEL EKAICRCFTG YTGERCEHLT LTSYAVDSYE KHHHHHH.		
Formulation	EPGN protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol		

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

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

EPGN produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 97 amino acids (23-110a.a.) and having a molecular mass of 10.8kDa (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa). EPGN is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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