
Product Data Sheet

Product Name: EPGN Human, His
 Cat. No.: GP20189
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EPG; Epigen; PRO9904; ALGV3072; FLJ75542; EPGN; Epithelial mitogen.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSAAVTVTP PITAQQGNWT VNKTEADNIE GPIALKFSSL CLEDHNSYCI NGACAFHHEL EKAICRCFTG YTGERCEHLT LTSYAVDSYE K		
Formulation	EPGN protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

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 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 111 amino acids (23-110 a.a) and having a molecular mass of 12.1kDa.

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

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