

32-6338: EPGN Human, Sf9

Alternative Name : Epithelial mitogen, EPG, Epithelial Mitogen Homolog (Mouse), Epithelial Mitogen Homolog, ALGV3072, PRO9904, Epigen, EPGN.

Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

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.

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.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : EPGN protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol

Storage condition : 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.

Amino Acid : ADPAAVTVTP PITAQQGNWT VNKTEADNIE GPIALKFSHL CLEDHNSYCI NGACAFHHEL EKAICRCFTG YTGERCEHLT LTSYAVDSYE KHHHHHH.