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FGF 1 Human, Sf9

Fibroblast Growth Factor-Acidic Human Recombinant, Sf9
GRF0054

Product Overview

Name	FGF 1 Human, Sf9

Description

Fibroblast Growth Factor-Acidic Human Recombinant, Sf9

Accession (Primary)	P05230

Synonyms

HBGF-1, ECGF-beta, FIBP, FGFIBP, FIBP-1, ECGF, ECGFA, GLIO703, FGF1, FGF-a.

Introduction

Acidic fibroblast growth factor is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Three alternatively spliced variants encoding different isoforms have been described. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.

Source

Baculovirus.

Physical Appearance

Sterile Filtered liquid formulation.

Formulation

The sterile protein solution (1.8mg/ml) contains 20mM Tris HCl pH=7.9, 100mM KCl, 0.2mM DTT and 20% glycerol.

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.

Purity

Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

The sequence of the first five N-terminal amino acids as determined and was found to be Met-Phe-Asn-Leu-Pro.

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Biological Activity