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32-9091: Recombinant Human FGF2 (Fibroblast Growth Factor 2)

Alternative Name : FGF-2; bFGF; FGFB; HBGF-2

Description

Source : E. coli;
FGF-basic 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. Fibroblast Growth Factor-2 Human Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17250 Dalton. Human FGF2 is purified by proprietary chromatographic techniques. Cat#Â 32-9091

Product Info

Amount :	1 mg / 100 µg
Purification :	>98.0% as determined by Gel filtration at non denaturing conditions using 25 nM Tris-HCl + 150 nM NaCl, pH 8 and Analysis by reducing and non-reducing SDS-PAGE gel
Content :	The protein was lyophilized from a concentrated (0.5 mg/ml) solution of PBS.
Storage condition :	Lyophilized hFGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution and filter sterilization hFGF-2 should be aliquoted and frozen. For long term storage and more diluted solutions it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	Recombinant Human FGF2 (Fibroblast Growth Factor 2) is produced by E. coli. It is a single, nonglycosylated,polypeptide chain containing 155 amino acids. The sequence of the first six N-terminal amino acids was determined to be MPALPE.

Application Note

Less than 0.05 ng/Ã□Âµg (0.5 EU/Ã□Âµg) of hFGF-2.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.