

Fibroblast Growth Factor-basic Active Protein | FGF 2 active protein

Recombinant Human Fibroblast Growth Factor-basic, Sf9

CATALOG # AAA38177	HOST Baculovirus
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PRODUCT SYNONYMS

Fibroblast Growth Factor-basic; Recombinant Human Fibroblast Growth Factor-basic; Sf9; FGF 2 Human; sf9; Fibroblast Growth Factor-Basic Human Recombinant; Prostatropin; HBGH-2; HBGF-2; FGF-2; FGF-b; FGF 2 Sf9; FGF 2 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The sterile protein solution (0.5mg/ml) contains 20mM Tris pH=7.9, 100mM KCl, 1mM DTT and 20% glycerol. Sterile Filtered liquid formulation.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeAla-Ala -Gly-Ser-I le
Sequence Length	288
Biological Activity	The ED50, calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <0.5 ng/ml, corresponding to a specific activity of 2MU/mg.
Preparation and Storage	Fibroblast Growth Factor-basic although stable at 4 degree C for 3 weeks, should be stored desiccated below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FGF 2 active protein	Description: Fibroblast Growth Factor-2 Human Recombinant (FGF-2) produced in Sf9 insect cells is a single, glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17353 Dalton.The FGF-basic is purified by proprietary chromatographic techniques. Introduction: Basic 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.
Product Categories/Family for FGF 2 active protein	Cytokines and Growth Factors ; Growth Factors ; Fibroblast Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	153285461
NCBI GeneID	2247
NCBI Accession #	NP_001997.5
NCBI GenBank Nucleotide #	NM_002006.4

UniProt Accession #	P09038 ; O00527 ; P78443 ; Q16443 ; Q5PY50 ; Q7KZ11 ; Q7KZ72 ; Q9UC54 ; Q9UCS5 ; Q9UCS6 ; A4LBB8
Molecular Weight	21,203 Da
NCBI Official Full Name	fibroblast growth factor 2
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2; basic fibroblast growth factor bFGF; heparin-binding growth factor 2; prostatropin
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB; FGF-2; bFGF; HBGF-2
UniProt Entry Name	FGF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-fgf-2-active-protein/fibroblast-growth-factor-basic/38177>