Recombinant Human Acidic Fibroblast Growth Factor, His-tagged

Cat. No. FGF1-199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Acidic Fibroblast Growth Factor encoding the mature form of human SOST(NP_079513.1) (Gln 24- Tyr 213) was expressed fused with a his tag at the N-terminus. It was produced in*E.Coli.*
Species	Human
Source	E.coli
ProteinLength	24-213 a.a.
Description	Acidic fibroblast growth factor (aFGF), also known as heparin-binding growth factor (HBGF-1) and FGF-1, is a member of FGF family who are involved in a variety of biological processes. aFGF is considered to function in several important physiological and pathological processes, such as embryonic development, morphogenesis, angiogenesis, wound healing and atheromatosis. This protein acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro and stimulates cell growth, migration, and differentiation.
Molecular Mass	The recombinant human FGF acidic consists of 141 amino acids and has a calculated molecular mass of 16 Kda as estimated by SDS-PAGE under reducing conditions.
Predicted N Terminal	Met 1.
Purity	98% as determined by SDS-PAGE.

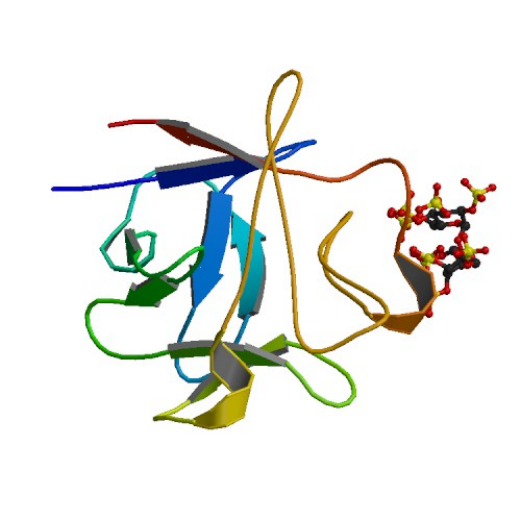
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Formulation	Supplied as a 0.2μm filtered solution of PBS, pH7.4.
Stability	Samples are stable for up to twelve months from date of receipt -70oC.
Endotoxin	< 1.0 EU per 1 μg of the cytokine as determined by the LAL method.
Reconstitution	Follow the instructions on the vial. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Storage	Avoid repeated freeze-thaw cycles. Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted and be used as soon as possible.

GENE INFORMATION

Gene Name	FGF1 fibroblast growth factor 1 (acidic) [Homo sapiens]
Synonyms	AFGF; ECGF; ECGF-beta; ECGFA; ECGFB; FGF-alpha; FGFA; GLIO703; HBGF1; aFGF; Beta-endothelial cell growth factor; Heparin-binding growth factor 1 precursor; endothelial cell growth factor, alpha; FGF-α; HBGF-1; Acidic fibroblast growth factor; endothelial cell growth factor, beta; fibroblast growth factor 1 (acidic); heparin-binding growth factor 1; FGF1; fibroblast growth factor 1 (acidic)
Gene ID	2246
mRNA Refseq	NM_000800
Protein Refseq	NP_000791
MIM	131220
UniProt ID	P05230

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Chromosome Location	5q31
Function	growth factor activity. heparin binding. protein binding
PDBrendering based on 1afc.	

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