

Recombinant Human Acidic Fibroblast Growth Factor, His-tagged

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

SPECIFICATION

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| Cat. No. | FGF1-199H |
| 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 <i>E.Coli</i> . |
| 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. |
| Source | <i>E.Coli</i> . |
| Predicted N Terminal | Met 1. |
| Purity | 98% as determined by SDS-PAGE. |
| Formulation | Supplied as a 0.2µm filtered solution of PBS, pH7.4. |

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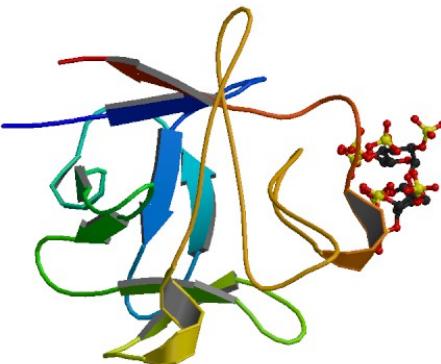
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|-------------------------|---|
| Stability | Samples are stable for up to twelve months from date of receipt -70oC. |
| Endotoxin | < 1.0 EU per 1 µg of the cytokine as determined by the LAL method. |
| Reconstitution | Follow the instructions on the vial. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| Storage | Avoid repeated freeze-thaw cycles. Store it under sterile conditions at -70°C. 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) [<i>Homo sapiens</i>] |
| 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 |
| Chromosome | 5q31 |

Location**Function**

growth factor activity. heparin binding. protein binding

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