

Active Recombinant Human FGF1 protein, His-tagged

Cat. No. FGF1-2903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF1 protein(Phe16-Asp155), fused with C-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	16-155 aa
Form	Lyophilized from a 0.22 µm filtered solution of 50mM MOPS,100mM Na2SO4,10mM EDTA, pH7.9
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human FGF1 at 5 µg/mL (100 µL/well) can bind Recombinant Human FGFR3 with a linear range of 0.5-1.5 µg/mL. 2. Measured in a cell proliferation assay using BALB/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 22-140 pg/mL.
Molecular Mass	16.67 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months,

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name

FGF1 fibroblast growth factor 1 (acidic) [Homo sapiens]

Official Symbol

FGF1

Synonyms

FGF1; fibroblast growth factor 1 (acidic); FGFA; fibroblast growth factor 1; AFGF; ECGF; ECGF beta; ECGFA; ECGFB; endothelial cell growth factor; alpha; beta; FGF alpha; GLIO703; HBGF1; heparin binding growth factor 1; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha; FGF-1; HBGF-1; ECGF-beta; FGF-alpha;

Gene ID

2246

mRNA Refseq

NM_000800

Protein Refseq

NP_000791

MIM

131220

UniProt ID

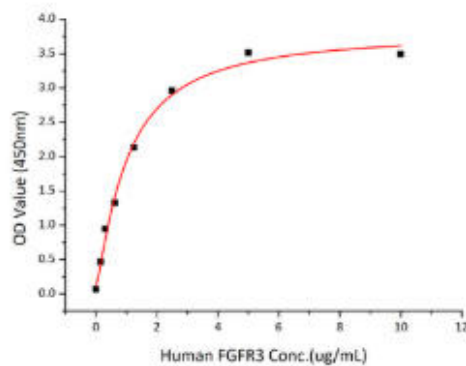
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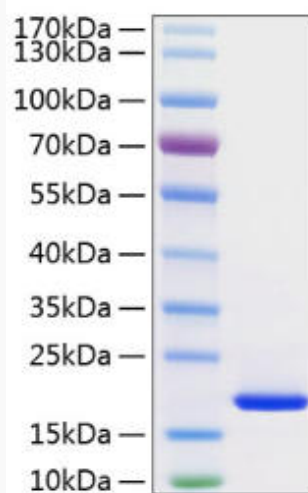
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Activity



SDS-PAGE



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