

Active Recombinant Human FGFR1 protein, Fc-His-tagged

Cat. No. FGFR1-138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGFR1 protein(NP_075594.1)(Met 1-Glu 285) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-285 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit FGF-acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.5-4 ng/ml.
Molecular Mass	The recombinant human FGFR1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 512 amino acids and has a predicted molecular mass of 57.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhFGFR1/Fc monomer is approximately 100-110 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [FGFR1 fibroblast growth factor receptor 1 \[Homo sapiens \]](#)

Official Symbol [FGFR1](#)

Synonyms FGFR1; fibroblast growth factor receptor 1; FLT2, fms related tyrosine kinase 2 , KAL2; BFGFR; CD331; CEK; FLG; H2; H3; H4; H5; N SAM; Pfeiffer syndrome; FGFR1/PLAG1 fusion; proto-oncogene c-Fgr; FMS-like tyrosine kinase 2; hydroxyaryl-protein kinase; fms-related tyrosine kinase 2; heparin-binding growth factor receptor; basic fibroblast growth factor receptor 1; OGD; FLT2; KAL2; FGFBR; FLT-2; HBGFR; N-SAM; FGFR-1; bFGF-R-1; FLJ99988;

Gene ID [2260](#)

mRNA Refseq [NM_001174063](#)

Protein Refseq [NP_001167534](#)

MIM [136350](#)

UniProt ID [P11362](#)

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