

Active Recombinant Human FGFR1, Fc-tagged, Biotinylated

Cat. No. FGFR1-606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human FGFR1-Fc fusion protein is expressed as a 492 amino acid protein consisting of Arg22 - Glu285 region of FGFR1 (Uniprot accession #P11362 - isoform 15) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Source	Human cells
Species	Human
Tag	Fc
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds and inhibits aFGF / FGF-acidic dependent proliferation of mouse fibroblast cells with an ED50 of 0.02 - 0.15 µg/mL
Molecular Mass	Calculated molecular mass (kDa): 55.0; Estimated by SDS-PAGE under reducing condition (kDa): 70-80
AA Sequence	RPSPTLPEQDALPSEDDDDDDSS SEEKETDNTKPNPVAPYWTSPEKME KKLHAVPAAKTVKFKCPSSGTPNP TLRWLKNGKEFKPDHRIGGYKVRYA TWSIIMDSVVP SDKGNYTCIVENEY GSINHTYQLDVVERSPHRPILQAG LPANKTVALGSNVEFMCKVYSDPQP HIQWLKHIEVNGSKIGPDNLPYVQI LKTAGVNTTDKEMEVLHLRNVSFE DAGEYTCLAGNSIGLSHSAWLTVL

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EAL EERPAVMTSPLYLESTGHTTCP PCPAPELLGGPSVFLFPPKPKDTL
 MISRTPEVTCVVVDVSHEDPEVKFN WYVDGVEVHNAKTKPREEQYNSTYR
 VVSVLTVLHQDWLNGKEYKCKVSN KALPAPIEKTISKAKGQPREPQVYT
 LPPSREEMTKNQVSLTCLVKGFYPS DIAVEWESNGQPENNYKTTPPVL
 DSDGSFFFLYSKLTVDKSRWQQGNVF SCSVMHEALHNHYTQKSLSLSPGK

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the

Purity >95% judged by SDS-PAGE under reducing condition

Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

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](#)

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mRNA Refseq	NM_001174063
Protein Refseq	NP_001167534
MIM	136350
UniProt ID	P11362
Chromosome Location	8p12
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem;
Function	ATP binding; fibroblast growth factor 1 binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; heparin binding; nucleotide binding; protein binding; protein homodimerization activity; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity;