

# Active Recombinant Human FGFR1, His-tagged, Biotinylated

**Cat. No.** FGFR1-605H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	The recombinant human FGFR1 ECD protein is expressed as a 275 amino acid protein consisting of Arg22 - Glu285 region of FGFR1 (Uniprot accession #P11362 - isoform 15) and a C-terminal poly-His tag, which exists as a monomer under reducing and non-reducing conditions. It contains 6 potential N-linked glycosylation sites.
<b>Source</b>	Human cells
<b>Species</b>	Human
<b>Tag</b>	His
<b>Form</b>	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).
<b>Bio-activity</b>	Binds and inhibits aFGF / FGF-acidic dependent proliferation of mouse fibroblast cells.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 30.8; Estimated by SDS-PAGE under reducing condition (kDa): ~55
<b>AA Sequence</b>	RPSPTLPEQDALPSSDDDDDDSS SEEKETDNTKPNPVAPYWTSPEKME KKLHAVPAAKTVKFKCPSSGTPNP TLRWLKNGKEFKPDHRIGGYKVRYA TWSIIMDSVVPSPDKGNYTCIVENEY GSINHTYQLDVVERSPHRPILQAG LPANKTVALGSNVEFMCKVYSDPQP HIQWLKHIEVNGSKIGPDNLPPYVQI LKTAGVNTTDKEMEVLHLRNVSEF DAGEYTCLAGNSIGLSHHSALTVL EALERPAMTSPLYLESTGHHHHH HHH

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<b>Endotoxin</b>	<0.1 eu per 1 µg of purified recombinant protein determined by the
<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition
<b>Storage</b>	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


<b>Gene Name</b>	FGFR1 fibroblast growth factor receptor 1 [ Homo sapiens ]
<b>Official Symbol</b>	FGFR1
<b>Synonyms</b>	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; FGFR; FLT-2; HBGFR; N-SAM; FGFR-1; bFGF-R-1; FLJ99988;
<b>Gene ID</b>	2260
<b>mRNA Refseq</b>	NM_001174063
<b>Protein Refseq</b>	NP_001167534
<b>MIM</b>	136350

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<b>UniProt ID</b>	P11362
<b>Chromosome Location</b>	8p12
<b>Pathway</b>	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;
<b>Function</b>	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;

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