

# Active Recombinant Human FGFR2, Fc-tagged, Biotinylated

**Cat. No.** FGFR2-608H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	The recombinant human FGFR2-Fc fusion protein is expressed as a 584 amino acid protein consisting of Arg22 - Glu377 region of FGFR2 (Uniprot accession #P21802 - isoform 1) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	22-377 a.a.
<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 with an ED50 of 0.15 - 0.35 µg/ml
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 65.1; Estimated by SDS-PAGE under reducing condition (kDa): 85-95
<b>AA Sequence</b>	RPSFSLVEDTTLEPEEPPTKYQISQPEVYVAAPGESLEVRCLLKDAAVISWTKDGVH LGPNNRTVLIGEYLQIK GATPRDSGLYACTASRTVDSETWYFMVNVTDAISSGDDE DDTDGAEDFVSENSNNKRAPYWTNTEKMEKRLHAV PAANTVKFRCPAGGNPMPT MRWLKNGKEFKQEHRIGGYKVRNQHWSLIMESVVP SDKGNYTCVVENEYGSINHT YHLDVVERSHPRPILQAGLPANASTVVGGDVEFVCKVYSDAQPHIQWIKHVEKNGS

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KYGPDGLPYLKVLKAAGV NTTDKEIEVLYIRNVTFEDAGEYTCLAGNSIGISFHSAWL  
 TVLPAPGREKEITASPDYLESTGTHTCPPCPAPE LLGGPSVFLFPPKPKDTLMISRTP  
 EVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL TVLHQD  
 WLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLV  
 KGFYPSDIAVE WESNGQPENNYKTTTPVLDSGSSFLYSKLTVDKSRWQQGNVFS  
 CSVMHEALHNHYTQKSLSLSPGK

**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.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** [FGFR2 fibroblast growth factor receptor 2 \[ Homo sapiens \]](#)

**Official Symbol** FGFR2

**Synonyms** FGFR2; fibroblast growth factor receptor 2; bacteria expressed kinase , BEK, CFD1, craniofacial dysostosis 1 , Jackson Weiss syndrome , JWS, keratinocyte growth factor receptor , KGFR; CD332; CEK3; Crouzon syndrome; ECT1; K SAM; Pfeiffer syndrome; TK14; TK25; FGFR-2; FGF receptor; soluble FGFR4 variant 4; bacteria-expressed kinase; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; BEK fibroblast growth factor receptor; protein tyrosine kinase, receptor like 14; BEK;

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	JWS; CFD1; KGFR; BFR-1; K-SAM; FLJ98662;
<b>Gene ID</b>	<a href="#">2263</a>
<b>mRNA Refseq</b>	<a href="#">NM_000141</a>
<b>Protein Refseq</b>	<a href="#">NP_000132</a>
<b>MIM</b>	<a href="#">176943</a>
<b>UniProt ID</b>	<a href="#">P21802</a>
<b>Chromosome Location</b>	10q25.3-q26
<b>Pathway</b>	Angiogenesis, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; FGF signaling pathway, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem;
<b>Function</b>	ATP binding; fibroblast growth factor binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; 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; receptor activity;

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