Active Recombinant Human FGFR2, Fc-tagged, Biotinylated

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	22-377 a.a.
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 0.15 - 0.35 μg/ml
Molecular Mass	Calculated molecular mass (kDa): 65.1; Estimated by SDS-PAGE under reducing condition (kDa): 85-95
AA Sequence	RPSFSLVEDTTLEPEEPPTKYQISQPEVYVAAPGESLEVRCLLKDAAVISWTKDGVH LGPNNRTVLIGEYLQIK GATPRDSGLYACTASRTVDSETWYFMVNVTDAISSGDDE DDTDGAEDFVSENSNNKRAPYWTNTEKMEKRLHAV PAANTVKFRCPAGGNPMPT MRWLKNGKEFKQEHRIGGYKVRNQHWSLIMESVVPSDKGNYTCVVENEYGSINHT YHLDVVERSPHRPILQAGLPANASTVVGGDVEFVCKVYSDAQPHIQWIKHVEKNGS

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	KYGPDGLPYLKVLKAAGV NTTDKEIEVLYIRNVTFEDAGEYTCLAGNSIGISFHSAWL TVLPAPGREKEITASPDYLESTGTHTCPPCPAPE LLGGPSVFLFPPKPKDTLMISRTP EVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL TVLHQD WLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLV KGFYPSDIAVE WESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFS 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;
Gene ID	2263
mRNA Refseq	NM_000141
Protein Refseq	NP_000132
MIM	176943
UniProt ID	P21802
Chromosome Location	10q25.3-q26
Pathway	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;
Function	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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