

Active Recombinant Human FGFR4, Fc-tagged, Biotinylated

Cat. No. FGFR4-614H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human FGFR4 ECD is expressed as a 577 amino acid protein consisting of Leu22 - Asp369 region of FGFR4 (Uniprot accession #P22455 - 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	22-369 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 0.01 - 0.05 µg/ml
Molecular Mass	Calculated molecular mass (kDa): 64.1; Estimated by SDS-PAGE under reducing condition (kDa): 75-85
AA Sequence	LEASEEVELEPCLAPSLEQQEQELTVALGQPVRLCCGRAERGHHWYKEGSRLAPA GRVRGWGRGRLEIASFLPED AGRYLCLARGSMIVLQNLTLITGDSLTSNDDEDPKS HRDPSNRHSYPQQAPYWTHPQRMEKKLHAVPAGNTVK FRCPAAGNPTPTIRWLK DGQAFHGENRIGGIRLRHQHWSLVMESVVPDRGTYTCLVENAVGSIRYNYLLDVL E RSPHRPILQAGLPANTTAVVGSDVELLCKVYSDAQPHIQWLKHIVINGSSFGADGF

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PYVQVLKTADINSSEVEV LYLRNVSAEDAGEYTCLAGNSIGLSYQSAWLTVLPEEDP
 TWTAAPAEARYTDGSTGTHTCPPCPAPELLGGPSV FLFPPKPKDTLMISRTPEVTC
 VVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL N
 GKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGF
 YPSDIAVEWESNGQPE NNYKTTTPVLDSGSSFFLYSKLTVDKSRWQQGNVFCSCV
 MHEALHNHYTQKSLSLSPGK

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 FGFR4 fibroblast growth factor receptor 4 [Homo sapiens]

Official Symbol FGFR4

Synonyms FGFR4; fibroblast growth factor receptor 4; CD334; JTK2; FGFR-4; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; tyrosine kinase related to fibroblast growth factor receptor; TKF; MGC20292;

Gene ID 2264

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mRNA Refseq	NM_002011
Protein Refseq	NP_002002
MIM	134935
UniProt ID	P22455
Chromosome Location	5q33-qter
Pathway	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; FGFR4 ligand binding and activation, organism-specific biosystem; FRS2-mediated cascade, organism-specific biosystem;
Function	ATP binding; fibroblast growth factor 1 binding; fibroblast growth factor 2 binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; heparin binding; nucleotide binding; protein tyrosine kinase activity; receptor activity;