

Recombinant Human FGFR4 Protein (22-369aa), C-His tagged

Cat. No. FGFR4-5420H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGFR4 (22-369aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	22-369aa
Description	The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment, and a cytoplasmic tyrosine kinase domain. The extracellular portion interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation.
Form	Liquid
Molecular Mass	39.5 kDa (356aa)
AA Sequence	LEASEEVELEPCLAPSLEQQEQELTVALGQPVRLCCGRAERGHHWYKEGSRLAPA

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GRVRGWRGRLEIASFLPEDAGRYLCLARGSMIVLQNLTLITGDSLTSNDDDEDPKSH
 RDPSNRHSYPQQAPYWTHPQRMEKKLHAVPAGNTVKFRCPAAGNPTPTIRWLKDG
 QAFHGENRIGGIRLRHQHWSLVMSVPSDRGTYTCLVENAVGSIRYNYLLDVLER
 SPHRPILQAGLPANTTAVVGSDVELLCKVYSDAQPHIQWLKHIVINGSSFGADGFPY
 VQVLKTADINSSEVEVLYLRNVSAEDAGEYTCLAGNSIGLSYQSAWLTVLPEEDPTW
 TAAAPEARYTDLEHHHHHHH

Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	FGFR4 fibroblast growth factor receptor 4 [Homo sapiens (human)]
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
SDS-PAGE	3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.