

## Recombinant Human FGFR4 Protein, His-tagged

Cat. No. FGFR4-248H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human FGFR4 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	802
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	40 kDa
<b>AA Sequence</b>	MRLLLALLGVLLSVPGPPVLSLEASEEVELEPCLAPSLEQQEQELTVALGQPVRLCC GRAERGGHWYKEGSRLAPAGRVRGWRGRLEIASFLPEDAGRYLCLARGSMIVLQN LTLITGDSLTSNDDEDPKSHRDPSNRHSYPQQAPYWTHPQRMEKKLHAVPAGNT

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 45-1 Ramsey Road, Shirley, NY 11967, USA

VKFRCPAAGNPTPTIRWLKDGQAFHGENRIGGIRLRHQHWSLVMESVVPDRGTYT  
 CLVENAVGSIRYNYLLDVLERSPHRPILQAGLPANTTAVVGSDELCKVYSDAQPHI  
 QWLKHIVINGSSFGADGFPYVQVLKTADINSSEVEVLYLRNVSAEDAGEYTCLAGNSI  
 GLSYQSAWLTVLPEEDPTWTAAPAEARYTDIILYASGSLALAVLLLLAGLYRGQALHG  
 RHRPPATVQKLSRFPLARQFSLESGSSGKSSSSLVIRGVRLSSSGPALLAGLVSLDL  
 PLDPLWEFPRDRLVLGKPLGEGCFGQVRAEAFGMDPARPDQASTVAVKMLKDNA  
 SDKDLADLVSEMEVMKLIGRHKNIINLLGVCTQEGPLYVIVECAAAGNLREFLRARRP  
 PGPDLSPDGPRSSEGPLSPVLSVSCAYQVARGMQYLESRKCIRDLAARNVLVTD  
 NVMKIADFGGLARGVHHIDYKKTNGRLPVKWMPEALFDRVYTHQSDVWSFGILL  
 WEIFTLGGSPYPGIPVEELFSLREGHRMDRPPHCPPELYGLMRECWAAPSQRPT  
 FKQLVEALDKVLLAVSEEYDLRLTFGPYSPSGGDASSTCSSSDSVFSDHPLPLGSS  
 SFPFGSGVQT

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal

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performance.

## GENE INFORMATION

<b>Gene Name</b>	FGFR4 fibroblast growth factor receptor 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGFR4
<b>Synonyms</b>	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;
<b>Gene ID</b>	2264
<b>mRNA Refseq</b>	NM_002011
<b>Protein Refseq</b>	NP_002002
<b>MIM</b>	134935
<b>UniProt ID</b>	P22455

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