

Recombinant Human Fibroblast Growth Factor Receptor 4

Cat. No. FGFR4-493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Fibroblast growth factor receptor 4 (FGFR4) is a member of a family of transmembrane receptors with ligand-induced tyrosine kinase activity that is expressed at significant levels in almost all human prostate cancers, and expression of its ligands is ubiquitous. FGFR4 plays essential roles in systemic lipid and glucose homeostasis. FGFR4 may be an important regulator of osteogenesis with involvement in preosteoblast proliferation and differentiation as well as osteoblast functioning during intramembranous ossification. FGFR-4 signaling and receptor turnover are important potential therapeutic targets in prostate cancer.
Molecular Weight	The predicted molecular weight of Recombinant Human FGFR4 is Mr 65 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100-110 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.

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Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions

GENE INFORMATION

Gene Name	FGFR4 fibroblast growth factor receptor 4 [Homo sapiens]
Synonyms	FGFR4; fibroblast growth factor receptor 4; TKF; JTK2; CD334; MGC20292; OTTHUMP00000161430; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; tyrosine kinase related to fibroblast growth factor receptor; EC 2.7.10.1; FGFR-4
Gene ID	2264
mRNA Refseq	NM_002011
Protein Refseq	NP_002002
MIM	134935
UniProt ID	P22455
Chromosome Location	5q33-qter
Pathway	Endocytosis; MAPK signaling pathway; Regulation of actin cytoskeleton
Function	ATP binding; fibroblast growth factor binding; fibroblast growth factor receptor activity; nucleotide binding; protein binding; receptor activity; transferase activity

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