

Recombinant Human Fibroblast Growth Factor Receptor 1, His-tagged

Cat. No. FGFR1-316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	rh FGFR1 contains C terminal 6 His Tag and has a calculated MW of 42.5 kDa. In DTT-reduced SDS-PAGE, protein migrates as 60 - 65 kDa.
Species	Human
Source	HEK293
Description	Fibroblast growth factor receptor 1 (FGFR1) is also known as basic fibroblast growth factor receptor 1(BFGFR1), FMS-like tyrosine kinase, CD331, and is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. This protein is one of several fibroblast growth factor receptors, which are related proteins that are involved in important processes such as cell division regulation of cell growth and maturation formation of blood vessels involved in important processes such as cell division, regulation of cell growth and maturation, formation of blood vessels, wound healing, and embryonic development.
Form	Bulk protein in a 0.22 µm filtered solution of PBS, pH7.4 and delivered as liquid formulation or lyophilized powder Normally 5-8% trehalose and mannitol are powder. Normally 5-8% trehalose and mannitol are added as protectants before lyophilization.
Purity	>95% purity as determined by SDS-PAGE of reduced rh FGFR1.
Endotoxin	Less than 0.01 ng endotoxin per µg rh FGFR1.

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Storage

Stable in lyophilized state at 4°C for 1 year after receipt. Sterile stock solutions reconstituted are stable at 4°C for 2 months and at -20°C for 6 months. Avoid repeated freeze-thaw cycles.

GENE INFORMATION
Gene Name

FGFR1 fibroblast growth factor receptor 1 [Homo sapiens]

Official Symbol

FGFR1

Synonyms

FGFR1; fibroblast growth factor receptor 1; CEK; FLG; OGD; FLT2; KAL2; BFGFR; CD331; FGFR; FLT-2; FGFR-1; HBGFR; N-SAM; FLJ99988; bFGF-R-1; soluble FGFR1 variant 1; proto-oncogene c-Fgr; FMS-like tyrosine kinase 2; hydroxyaryl-protein kinase; fms-related tyrosine kinase 2; heparin-binding growth factor receptor; basic fibroblast growth factor receptor 1; EC 2.7.10.1; OTTHUMP00000190881; OTTHUMP00000190885; OTTHUMP00000190874; OTTHUMP00000190875; OTTHUMP00000190876; OTTHUMP00000190877; OTTHUMP00000190879; OTTHUMP00000190880

Gene ID

2260

mRNA Refseq

NM_015850

Protein Refseq

NP_056934

MIM

136350

UniProt ID

P11362

**Chromosome
Location**

8p12

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Pathway	Adherens junction; MAPK signaling pathway; melanoma; Pathways in cancer; Prostate cancer; Regulation of actin cytoskeleton; Axon guidance; Signaling by FGFR
Function	ATP binding; fibroblast growth factor receptor activity; heparin binding; nucleotide binding; protein binding; transferase activity
PDB rendering based on 1agw.	

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