

Recombinant Human Fibroblast Growth Factor Receptor 1(IIIb)

Cat. No. FGFR1-485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Fibroblast growth factor receptor-1 alpha (FGFR1-alpha) is an isoform of FGFR1 which is a receptor tyrosine kinase. FGFR1-alpha is expressed in prostate luminal epithelial cells. FGFR1alpha signals are posteriorizing factors that control node regression and posterior embryonic development. FGFR1-alpha is a splice variant of FGFR1 containing the first immunoglobulin-like domain, whereas FGFR1-beta lacks this domain. The presence or absence of this N-terminal domain influences the affinity of the receptor towards aFGF and heparin.
Molecular Weight	The predicted molecular weight of Recombinant Human FGF R1α (IIIb) is Mr 66 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 110-120 kDa.
State Of Matter	Lyophilized.
Purity	> 95% by SDS Page and analyzed by silver stain.
Endotoxin	< 1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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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	FGFR1 fibroblast growth factor receptor 1 [Homo sapiens]
Synonyms	FGFR1; fibroblast growth factor receptor 1; CEK; FLG; OGD; FLT2; KAL2; BFGFR; CD331; FGFBR; HBGFR; N-SAM; FLJ99988; OTTHUMP00000190881; soluble FGFR1 variant 1; FMS-like tyrosine kinase 2; ydroxyaryl-protein kinase; fms-related tyrosine kinase 2; heparin-binding growth factor receptor; basic fibroblast growth factor receptor 1
Gene ID	2260
mRNA Refseq	NM_015850
Protein Refseq	NP_056934
UniProt ID	P11362
Chromosome Location	8p12
MIM	607401
Pathway	Adherens junction; MAPK signaling pathway; elanoma; 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

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binding; protein binding; transferase activity

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