

# Recombinant Human Fibroblast Growth Factor Receptor 1(IIIb)

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

## SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human FGF R1 $\alpha$ (IIIb) is Mr 66 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 110-120 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	> 95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	< 1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

<b>Gene Name</b>	FGFR1 fibroblast growth factor receptor 1 [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	2260
<b>mRNA Refseq</b>	NM_015850
<b>Protein Refseq</b>	NP_056934
<b>UniProt ID</b>	P11362
<b>Chromosome Location</b>	8p12
<b>MIM</b>	607401
<b>Pathway</b>	Adherens junction; MAPK signaling pathway; elanoma; Pathways in cancer; Prostate cancer; Regulation of actin cytoskeleton; Axon guidance; Signaling by FGFR
<b>Function</b>	ATP binding; fibroblast growth factor receptor activity; heparin binding; nucleotide binding; protein binding; transferase activity

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