Recombinant Human Fibroblast Growth Factor Receptor 3

Cat. No. FGFR3-5003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGFR3 was expressed in Insect cells and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Fibroblast Growth Factors (FGFs) comprise a family of at least eighteen structurally related proteins that are involved in a multitude of physiological and pathological cellular processes, including cell growth, differentiation, angiogenesis, wound healing and tumorigenesis. The biological activities of the FGFs are mediated by a family of type I transmembrane tyrosine kinases which undergo dimerization and autophosphorylation after ligand binding. Four distinct genes encoding closely related FGF receptors, FGFR-1 to -4 are known.
Form	Supplied as a lyophilized powder with no preservative. Reconstitute in sterile water to a concentration > 0.05mg/ml.
Purity	>90% pure by SDS PAGE
Molecular Mass	170 kDa
Applications	Numerous applications are possible with this product and should be tested by the end user under their own laboratory conditions

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Endotoxin Levels	<0.1 ng per g of sFGF-R3a
Storage	Store at -70 deg C until reconstitution. Following reconstitution product should be aliquoted and frozen at -20 deg C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	FGFR3 fibroblast growth factor receptor 3 [Homo sapiens]
Official Symbol	FGFR3
Synonyms	FGFR3; fibroblast growth factor receptor 3; ACH; CEK2; JTK4; CD333; HSFGFR3EX; OTTHUMP00000149958; OTTHUMP00000149959; tyrosine kinase JTK4; hydroxyaryl-protein kinase; achondroplasia, thanatophoric dwarfism; EC 2.7.10.1; FGFR-3; CD333 antigen
Gene ID	2261
mRNA Refseq	NM_000142
Protein Refseq	NP_000133
MIM	134934
UniProt ID	P22607
Chromosome Location	4p16.3
Pathway	Bladder cancer; Endocytosis; MAPK signaling pathway; Pathways in cancer; Regulation of actin cytoskeleton; Signaling by FGFR

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Function	ATP binding; fibroblast growth factor receptor activity; identical protein binding; nucleotide binding; receptor activity; transferase activity
Rendering of 1ry7	

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