

Recombinant Human Fibroblast Growth Factor Receptor 2

Cat. No. FGFR2-5002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGFR2 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 (dimer, glycosylated)
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-R2 alpha
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	FGFR2 fibroblast growth factor receptor 2 [Homo sapiens]
Official Symbol	FGFR2
Synonyms	FGFR2; fibroblast growth factor receptor 2; BEK; JWS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM; FLJ98662; KSAR; FGFR-2; KSAM; OTTHUMP00000020621; OTTHUMP00000020629; BEK fibroblast growth factor receptor; CD332 antigen; FGF receptor; Jackson-Weiss syndrome; Keratinocyte growth factor receptor 2; bacteria-expressed kinase; craniofacial dysostosis 1; fibroblast growth factor receptor 2; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; protein tyrosine kinase, receptor like 14; soluble FGFR4 variant 4
Gene ID	2263
mRNA Refseq	NM_000141
Protein Refseq	NP_000132
MIM	176943
UniProt ID	P21802
Chromosome Location	10q26

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