

## Recombinant Human Fibroblast Growth Factor Receptor 2

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human FGFR2 was expressed in Insect cells and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	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.
<b>Form</b>	Supplied as a lyophilized powder with no preservative. Reconstitute in sterile water to a concentration > 0.05mg/ml.
<b>Purity</b>	>90% pure by SDS PAGE
<b>Molecular Mass</b>	170 kDa (dimer, glycosylated)
<b>Applications</b>	Numerous applications are possible with this product and should be tested by the end user under their own laboratory conditions

 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

<b>Endotoxin Levels</b>	<0.1 ng per g of sFGF-R2 alpha
<b>Storage</b>	Store at -70 deg C until reconstitution. Following reconstitution product should be aliquoted and frozen at -20 deg C. Avoid repeated freeze/thaw cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FGFR2 fibroblast growth factor receptor 2 [ Homo sapiens ]
<b>Official Symbol</b>	FGFR2
<b>Synonyms</b>	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
<b>Gene ID</b>	2263
<b>mRNA Refseq</b>	NM_000141
<b>Protein Refseq</b>	NP_000132
<b>MIM</b>	176943
<b>UniProt ID</b>	P21802
<b>Chromosome Location</b>	10q26

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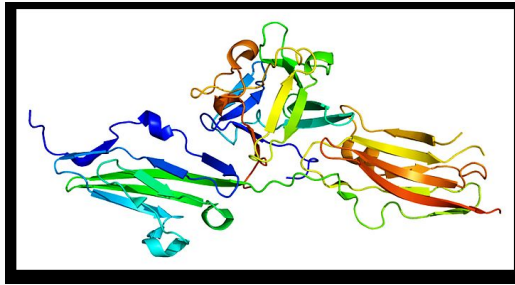
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**Pathway** Endocytosis; MAPK signaling pathway; Pathways in cancer; Prostate cancer; Regulation of actin cytoskeleton; Signaling by FGFR

**Function** ATP binding; fibroblast growth factor receptor activity; heparin binding; nucleotide binding; protein binding; receptor activity; transferase activity

**PDB rendering based on 1djs.**



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