

Recombinant Human Fibroblast Growth Factor Receptor 2

Cat. No. FGFR2-489H Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	<p>This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Three alternatively spliced variants encoding different isoforms have been described. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.</p>
Molecular Weight	<p>The predicted molecular weight of Recombinant Human FGF R2α (IIIc) is Mr 66 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100-110 kDa.</p>
State Of Matter	Lyophilized.
Purity	> 90% by SDS Page and analyzed by silver stain.
Endotoxin	< 0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	<p>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</p>

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

GENE INFORMATION

Gene Name	FGFR2 fibroblast growth factor receptor 2 [Homo sapiens]
Synonyms	FGFR2; fibroblast growth factor receptor 2; BEK; JWS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM; FLJ98662; FGF receptor; OTTHUMP00000020624; OTTHUMP00000020626; soluble FGFR4 variant 4; bacteria-expressed kinase; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; BEK fibroblast growth factor receptor; protein tyrosine kinase, receptor like 14; EC 2.7.10.1; Crouzon syndrome; Pfeiffer syndrome; craniofacial dysostosis 1; Jackson-Weiss syndrome; Keratinocyte growth factor receptor 2; K-SAM; CD332 antigen; BEK fibroblast growth factor receptor; FGF receptor
Gene ID	2263
mRNA Refseq	NM_000141
Protein Refseq	NP_000132
UniProt ID	P21802
Chromosome Location	10q25.3-q26
MIM	176943
Pathway	Endocytosis; MAPK signaling pathway; Pathways in cancer; Prostate cancer; Regulation of actin cytoskeleton

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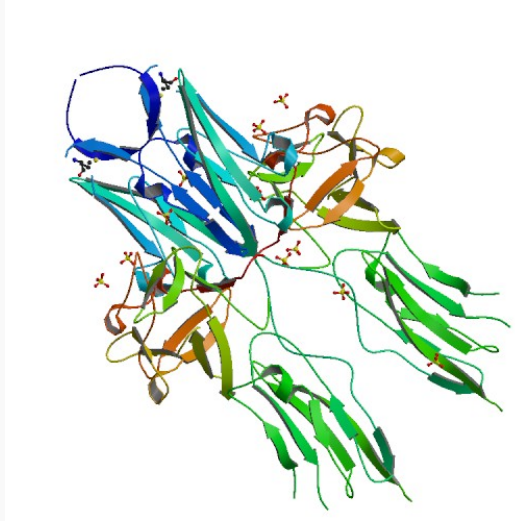
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Function

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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