

Recombinant Human Fibroblast Growth Factor Receptor 2

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

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	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.
Molecular Weight	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.
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	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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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 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;

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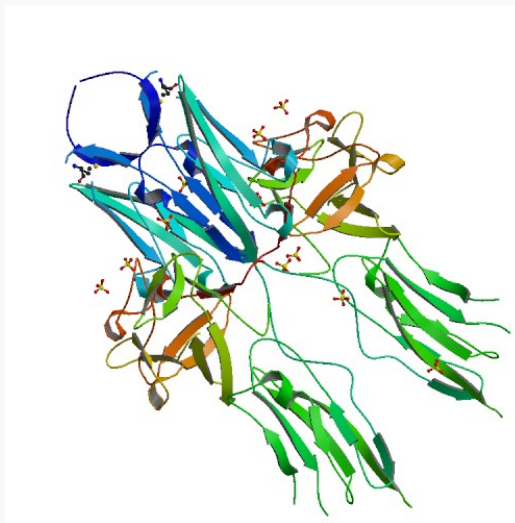
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Regulation of actin cytoskeleton

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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