

Recombinant Human Fibroblast Growth Factor Receptor 2

Cat. No. FGFR2-488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Sf21 Cells
Description	FGFR2 is a member of the fibroblast growth factor receptor family which play a role in mitogenesis and differentiation. FGFR2 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, and mutations in FGFR2 are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. FGFR2 is required for early postimplantation development between implantation and the formation of the egg cylinder. FGFR2 contributes to the outgrowth, differentiation, and maintenance of the inner cell mass.
Molecular Weight	The predicted molecular weight of Recombinant Human FGF R2 α (IIIb) is Mr 66 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100 kDa.
State Of Matter	Lyophilized.
Purity	> 90% by SDS Page and analyzed by silver stain.
Endotoxin	< 0.1 ng per 1 μ g as determined by the LAL method.

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Storage And Stability

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 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

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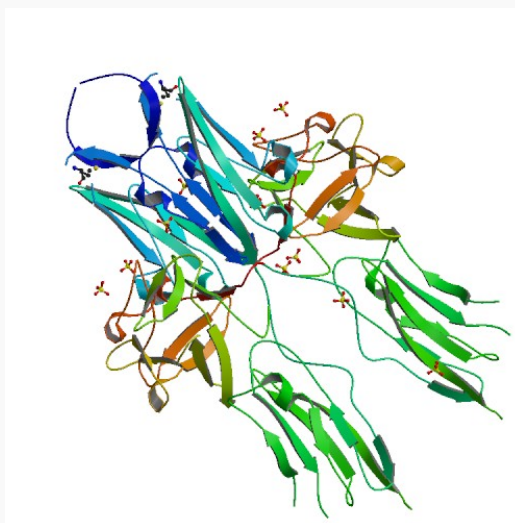
Pathway

Endocytosis; MAPK signaling pathway; Pathways in cancer; Prostate cancer;
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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