

Recombinant Human Fibroblast Growth Factor Receptor 2

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

SPECIFICATION

Species	Human
Source	Sf21 Cells
Description	<p>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.</p> <p>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.</p>
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 g as determined by the LAL method.
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

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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; Regulation of actin cytoskeleton

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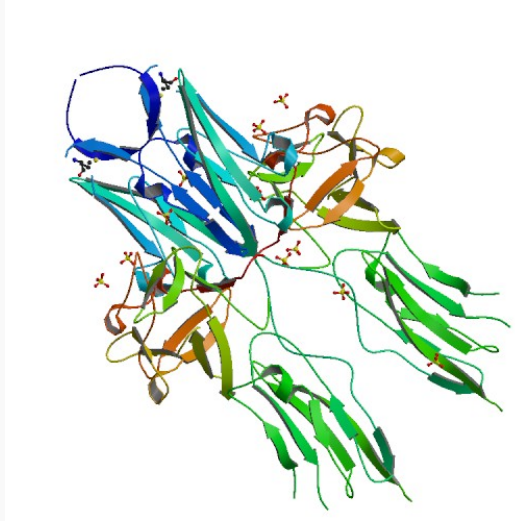
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Function

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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