

## Active Recombinant Human FGFR2 protein, His&hFc-tagged

Cat. No. FGFR2-705H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human FGFR2 protein(NP_000132.3)(Met 1-Glu 377) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-377 aa                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | Measured by its ability to inhibit FGF-acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.5-2.5 ng/ml.                                                                                                                                                                         |
| <b>Molecular Mass</b>   | The recombinant human FGFR2/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 604 amino acids and has a predicted molecular mass of 67.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhFGFR2/Fc monomer is approximately 110-120 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                |

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**Storage** Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** FGFR2 fibroblast growth factor receptor 2 [ Homo sapiens ]

**Official Symbol** FGFR2

**Synonyms** FGFR2; fibroblast growth factor receptor 2; bacteria expressed kinase , BEK, CFD1, craniofacial dysostosis 1 , Jackson Weiss syndrome , JWS, keratinocyte growth factor receptor , KGFR; CD332; CEK3; Crouzon syndrome; ECT1; K SAM; Pfeiffer syndrome; TK14; TK25; FGFR-2; FGF receptor; 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; BEK; JWS; CFD1; KGFR; BFR-1; K-SAM; FLJ98662;

**Gene ID** 2263

**mRNA Refseq** NM\_000141

**Protein Refseq** NP\_000132

**MIM** 176943

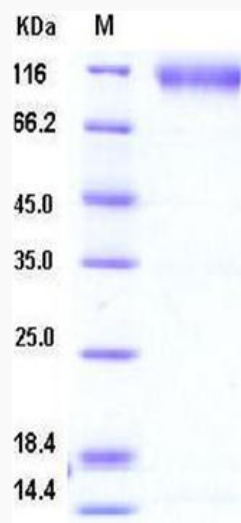
**UniProt ID** P21802

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## SDS-PAGE



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