

Active Recombinant Human FGFR2 protein, His&GST-tagged

Cat. No. FGFR2-7303H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGFR2 protein(NP_000132.3)(Met 400-Thr 821) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	400-821 aa
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.
Bio-activity	1. The specific activity was determined to be 28 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate. 2. Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR2 (aa 400-821) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF acidic with a linear range of 15.6-250 ng/ml. 3. Measured by its binding ability in a functional ELISA. Immobilized recombinant recombinant human FGFR2 (aa 400-821) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF basic with a linear range of 0.16-1.25 µg/ml.
Molecular Mass	The recombinant human FGFR2 (aa 400-821) /GST chimera consists of 659 amino acids and predicts a molecular mass of 75.7 kDa. It migrates as an approximately 68 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
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

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MIM	176943
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UniProt ID	P21802
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