

Active Recombinant Human FGFR1 Protein, His & GST-tagged

Cat. No. FGFR1-236H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGFR1 Protein(NP_075594.1)(Gly 311-Arg 731) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	311-731 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% glycerol, 0.3mM DTT.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR1 (aa 311-731) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF acidic with a linear range of 15.6-250 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR1 (aa 311-731) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF basic with a linear range of 0.16-2.5 µg/ml.
Molecular Mass	The recombinant human FGFR1 (aa 311-731) /GST chimera consists of 658 amino acids and has a calculated molecular mass of 75 KDa. It migrates as an approximately 75 KDa band as predicted in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 93 % 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

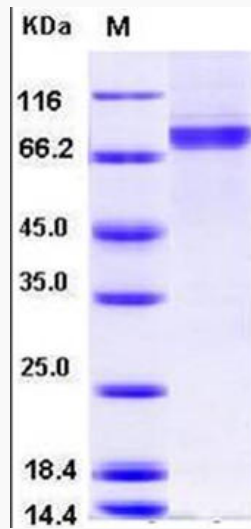
Gene Name	FGFR1 fibroblast growth factor receptor 1 [Homo sapiens]
Official Symbol	FGFR1
Synonyms	FGFR1; fibroblast growth factor receptor 1; FLT2, fms related tyrosine kinase 2 , KAL2; BFGFR; CD331; CEK; FLG; H2; H3; H4; H5; N SAM; Pfeiffer syndrome; FGFR1/PLAG1 fusion; proto-oncogene c-Fgr; FMS-like tyrosine kinase 2; hydroxyaryl-protein kinase; fms-related tyrosine kinase 2; heparin-binding growth factor receptor; basic fibroblast growth factor receptor 1; OGD; FLT2; KAL2; FGFBR; FLT-2; HBGFR; N-SAM; FGFR-1; bFGF-R-1; FLJ99988;
Gene ID	2260
mRNA Refseq	NM_001174063
Protein Refseq	NP_001167534
MIM	136350
UniProt ID	P11362

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SDS-PAGE



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