Active Recombinant Human FGFR1 Protein, His/GST-tagged, Alexa Fluor 555 conjugated

Cat. No. FGFR1-236HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant human FGFR1 isoform 4 (NP_075594.1) cytoplasmic domain (Gly 311-Arg 731) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	658
Bio-activity	1. Kinase activity untested. 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 acidic with a linear range of 15.6-250 ng/mL. 3. Measured by i
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.
N-terminal Sequence Analysis	Met
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 93 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris, 100 mM NaCl, pH 8.0, 20% glycerol, 0.3 mM DTT.
Conjugation	Alexa Fluor 555

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

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mRNA Refseq	NM_001174063
Protein Refseq	NP_001167534
MIM	136350
UniProt ID	P11362

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