

# Recombinant Human Fibroblast Growth Factor Receptor 1, GST-tagged

Cat. No. FGFR1-4843H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human FGFR1 (399-822; V561M) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	399-822 a.a.
<b>Description</b>	FGFR1 (also known as FLT2) is a member of the Fibroblast Growth Factor Receptor family that constitute a family of four membrane-spanning tyrosine kinases (FGFR1-4) which serve as high-affinity receptors for 17 growth factors (FGF1-17). The FGF Receptor family plays an important role in multiple biological processes, including mesoderm induction and patterning, cell growth and migration, organ formation and bone growth. FGFR1 is alternatively spliced generating multiple splice variants that are differentially expressed during embryo development and in the adult body.
<b>Applications</b>	Kinase Assay; Western Blot
<b>Molecular Weight</b>	75 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25 % glycerol.
<b>Specific Activity</b>	32 nmol/min/mg
<b>Purity</b>	> 90 %
<b>Concentration</b>	0.1 ug/ul
<b>Sequences</b>	399-822; V561M
<b>Storage</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Pathways</b>	adherens junction; axon guidance; downstream signaling of activated FGFR; endochondral ossification; FGF signaling pathway; glypican 1 network; IRS-mediated signaling; Insulin receptor signalling cascade; L1CAM interactions

## GENE INFORMATION

<b>Gene Name</b>	FGFR1 fibroblast growth factor receptor 1 [ Homo sapiens ]
<b>Official Symbol</b>	FGFR1
<b>Synonyms</b>	FGFR1; fibroblast growth factor receptor 1; CEK; FLG; OGD; FLT2; KAL2; BFGFR; CD331; FGFBR; FLT-2; HBGFR; N-SAM; FGFR-1; FLJ99988; bFGF-R-1; basic fibroblast growth factor receptor 1; OTTHUMP00000190874; OTTHUMP00000190875; OTTHUMP00000190876; OTTHUMP00000190877; OTTHUMP00000190879; OTTHUMP00000190880; OTTHUMP00000190881; OTTHUMP00000190885; proto-oncogene c-Fgr; FMS-like tyrosine kinase 2; hydroxyaryl-protein kinase; fms-related tyrosine kinase 2; heparin-binding growth

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	factor receptor
<b>Gene ID</b>	2260
<b>mRNA Refseq</b>	NM_023110
<b>Protein Refseq</b>	NP_075598
<b>MIM</b>	136350
<b>UniProt ID</b>	P11362
<b>Chromosome Location</b>	8p12
<b>Function</b>	ATP binding; fibroblast growth factor receptor activity; heparin binding; nucleotide binding; protein binding; protein homodimerization activity; protein tyrosine kinase activity; receptor activity
<b>PDBrendering based on 1agw.</b>	

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA