

Recombinant Human Fibroblast Growth Factor Receptor 1, His-tagged

Cat. No. FGFR1-5417H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanFGFR1 catalytic domain (amino acids 308-731), His-tagged. No special measureswere taken to activate this kinase.
Species	Human
Source	Insect Cells
ProteinLength	308-731 a.a.
Description	FGFs comprise a family of atleast eighteen structurally realted proteins that are involved in a multitudeof physiological and pathological cellular processes, including cell growth,differentiation, angiogenesis, wound healing and tumorgensis. The biologicalactivities of the FGFs are mediated by a family if type I transmembranetyrosine kinases which undergo dimerization and autophosphorylation afterligand binding.
Form	Liquid in50 mM Tris, pH 7.5 + 100 mM NaCl + 0.2 mM EDTA + 0.05% Triton X-100 + 5mM DTT+ 50% glycerol.
Molecular Weight	50.4 kDa
Purity	≥ 90% as determinedby SDS-PAGE analysis
Specific Activity	620 nmoleof phosphate transferred to poly [Glu,Tyr] 4:1 substrate per minute per mg

 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

of total protein at 30°C. Activity determined at a final protein concentration of 2µg/ml.

Storage Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

Official Symbol FGFR1

GENE INFORMATION

Gene Name [FGFR1 fibroblast growth factor receptor 1 \[Homo sapiens \]](#)

Synonyms

FGFR1; fibroblast growth factor receptor 1; CEK; FLG; OGD; FLT2; KAL2; BFGFR; CD331; FGFBR; HBGFR; N-SAM; FLJ99988; fms-related tyrosine kinase 2; H2; H3; H4; H5; N-SAM; CD331; Pfeiffer syndrome; FGFR-1; bFGF-R; EC 2.7.10.1; Fms-like tyrosine kinase 2; c-fgr; CD_antigen; OTTHUMP00000190881; soluble FGFR1 variant 1; FMS-like tyrosine kinase 2; hydroxyaryl-protein kinase; heparin-binding growth factor receptor; basic fibroblast growth factor receptor 1; OTTHUMP00000190874; OTTHUMP00000190878; OTTHUMP00000190879; c-fgr; soluble FGFR1 variant 2

Gene ID [2260](#)

mRNA Refseq [NM_015850](#)

Protein Refseq [NP_056934](#)

MIM [136350](#)

UniProt ID P11362

Chromosome Location 8p11.2-p11.1

 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

Pathway

Adherens junction; Axonguidance; Developmental Biology; Downstream signaling of activated FGFR; EndochondralOssification; FGF signaling pathway; FGFR ligand binding and activation; FRS2-mediatedcascade; Glypican 1 network; IRS-mediated signalling; Insulin receptorsignalling cascade; L1CAM interactions; MAPK signaling pathway; Melanoma; N-cadherinsignaling events; Negative regulation of FGFR signaling

Function

ATP binding; fibroblast growthfactor receptor activity; fibroblast growth factor receptor activity; heparinbinding; nucleotide binding; protein binding; receptor activity; transferaseactivity

**PDBrendering based
on 1agw.**

 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