

## Recombinant Human FGFR1 protein, T7/His-tagged

Cat. No. FGFR1-111H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human extracellular domain of CD331 cDNA ( 22 – 376 aa, Isoform-1, derived from BC018128 ) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	22-376 a.a.
<b>Form</b>	1.0 mg/ml in sterile-filtered solution in 20 mM Tris, pH 7.5. Proprietary formulation of NaCl , KCl, EDTA, arginine, DTT, and glycerol.
<b>AA Sequence</b>	MASMTGGGQQMGRGHHHHHHGNLYFQGGEFRPSPTLPEQAQPWGAPVEVESFLV HPGDLQLRCRLRDDVQSINWL RDGVQLAESNRTRITGEEVEVQDSVPADSGLYA CVTSSPSGSDTTYFSVNVSDALPSSSEDDDDDDSSSEEKTD NTKPNRMPVAPYW TSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPDHRIGGYKVRYA TWSIIM DSVVPSDKGNITCIVENEYGSINHTYQLDVVERSHPILQAGLPANKTVAL GSNVEFMCKVYSDPQPHIQWLKH IEVNGSKIGPDNLPYVQILKTAGVNTTDKEMEVL HLRNVSFEDAGEYTCLAGNSIGLSHHSAWLTVLEALEERPA VMTSPLYLE
<b>Purity</b>	>90% by SDS-PAGE
<b>Applications</b>	1. May be used for in vitro CD331 mediated FGF growth factor pathway regulation study with this protein as either coating matrix protein or soluble factor.2. May be

 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

used for CD331 protein-protein interaction assay.3. Potential diagnostic biomarker for cancer and artery diseases.4. As antigen for specific antibody production.

**Storage**

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

## 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; fm

**Gene ID**

2260

**mRNA Refseq**

NM\_001174063

**Protein Refseq**

NP\_001167534

**MIM**

136350

**UniProt ID**

P11362

**Chromosome Location**

8p12

**Pathway**

Adherens junction, organism-specific biosystem; Adherens junction, conserved

 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

biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem

**Function**

ATP binding; fibroblast growth factor 1 binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; heparin binding; nucleotide binding; protein binding; protein ho

 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