

Recombinant Human FGFR1 protein, T7/His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	22-376 a.a.
Form	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.
AA Sequence	MASMTGGGQMGRGHHHHHHGNLYFQGGEFRPSPTLPEQAQPWGAPVEVESFLV HPGDLLQLRCRLRDDVQSINWL RDGVQLAESNRTRITGEEVEVQDSVPADSGLYA CVTSSPSGSDTTYFSVNVSDALPSEDDDDDDSSSEEKETD NTKPNRMPVAPYW TSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPDHRIGGYKVRYA TWSIIM DSVVPSDKGNYTCIVENEYGSINHTYQLDVVERSHPILQAGLPANKTVAL GSNVEFMCKVYSDPQPHIQWLKH IEVNGSKIGPDNLPYVQILKTAGVNTT DKEMEVL HLRNVSFEDAGEYTCLAGNSIGLSHHS AWLTVLEALEERPA VMTSPLYLE
Purity	>90% by SDS-PAGE
Applications	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

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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

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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

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