

Recombinant Human FGFR1 Protein, His-tagged

Cat. No. FGFR1-034H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGFR1 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Fibroblast growth factors (FGFs) produce mitogenic and angiogenic effects in target cells by signaling through cell surface receptor tyrosine kinases. There are four members of the FGF receptor family: FGFR1 (flg), FGFR2 (bek, KGFR), FGFR3, and FGFR4. Each receptor contains an extracellular ligand binding domain, a transmembrane domain, and a cytoplasmic kinase domain. Following ligand binding and dimerization, the receptors are phosphorylated at specific tyrosine residues. Seven tyrosine residues in the cytoplasmic tail of FGFR1 can be phosphorylated: Tyr463, 583, 585, 653, 654, 730, and 766. Tyr653 and Tyr654 are important for catalytic activity of activated FGFR and are essential for signaling. The other phosphorylated tyrosine residues may provide docking sites for downstream signaling components such as Crk and PLCy.
Molecular Mass	~48 kDa
AA Sequence	RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDGVQLAES NRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSSSEDDDDDD DSSSEEKETDNTKPNRMPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTL RWLKNKGKEFKPDHRIGGYKVRYATWSIIMDSVVP SDKGNYTCIVENEYGSINHTYQL

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DVVERSPHRPILQAGLPANKTVLGSNVEFMCKVYSDPQPHIQWLKHIEVNGSKIGP
DNLPLYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHHSALTVL
EAL EERPAVMTSPLYLE

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

FGFR1 fibroblast growth factor receptor 1 [Homo sapiens (human)]

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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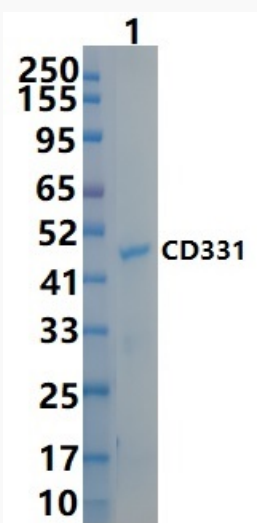
mRNA Refseq [NM_001174063](#)

Protein Refseq [NP_001167534](#)

MIM [136350](#)

UniProt ID [P11362](#)

SDS-PAGE



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