

Recombinant Human fibroblast growth factor receptor 1 Protein, His tagged

Cat. No. FGFR1-03H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FGFR1 protein (22-376aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect cells
ProteinLength	22-376aa
Description	FGFR1, also known as fibroblast growth factor receptor 1, is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. It is involved in a multitude of physiological and pathological cellular processes, including cell growth, differentiation, angiogenesis, wound healing and tumorigenesis. The biological activities of the FGFs are mediated by a family of type I transmembrane tyrosine kinases which undergo dimerization and auto-phosphorylation after ligand binding.
Tag	C-His
Form	Liquid
Molecular Mass	40.4 kDa

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AA Sequence	RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDGVQLAES NRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSNVSDALPSEDDDDDD DSSSEEKETDNTKPNRMPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTL RWLKNKKEFKPDHRIGGYKVRYATWSIIMDSVVP SDKGN YTCIVENEYGSINHTYQL DVVERSPHRPILQAGLPANKTVALGSNVEFMCKVYSDPQPHIQWLKHIEVNGSKIGP DNLPHYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHHS AWLTVL EAL EERPAVMTSPLY
Endotoxin	< 1 EU/μg by LAL
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
References	1. Bennett JT., et al, (2016) Am. J. Hum. Genet. 98: 579-587. 2. Wu AL., et al, (2013) PLoS One.8: e57322.

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,

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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; FGFR; FLT-2; HBGFR; N-SAM; FGFR-1; bFGF-R-1; FLJ99988

Gene ID	2260
mRNA Refseq	NM_023110
Protein Refseq	NP_075598
MIM	136350
UniProt ID	P11362