

# Recombinant Human fibroblast growth factor receptor 1 Protein, His tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Insect cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 22-376aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Tag</b>              | C-His                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 40.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>    | RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDGVQLAES<br>NRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSNVSDALPSEDDDDDD<br>DSSSEEKETDNTKPNRMPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTL<br>RWLKNKKEFKPDHRIGGYKVRYATWSIIMDSVVP SDKGN YTCIVENEYGSINHTYQL<br>DVVERSPHRPILQAGLPANKTVALGSNVEFMCKVYSDPQPHIQWLKHIEVNGSKIGP<br>DNLPLYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHHS AWLTVL<br>EAL EERPAVMTSPLY |
| <b>Endotoxin</b>      | < 1 EU/μg by LAL                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>         | > 95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>   | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>        | 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.                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>  | 0.5 mg/mL (determined by absorbance at 280nm)                                                                                                                                                                                                                                                                                                                                                |
| <b>References</b>     | 1. Bennett JT., et al, (2016) Am. J. Hum. Genet. 98: 579-587.<br>2. Wu AL., et al, (2013) PLoS One.8: e57322.                                                                                                                                                                                                                                                                                |

## GENE INFORMATION

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FGFR1 fibroblast growth factor receptor 1 [ Homo sapiens (human) ]               |
| <b>Official Symbol</b> | FGFR1                                                                            |
| <b>Synonyms</b>        | 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](#)

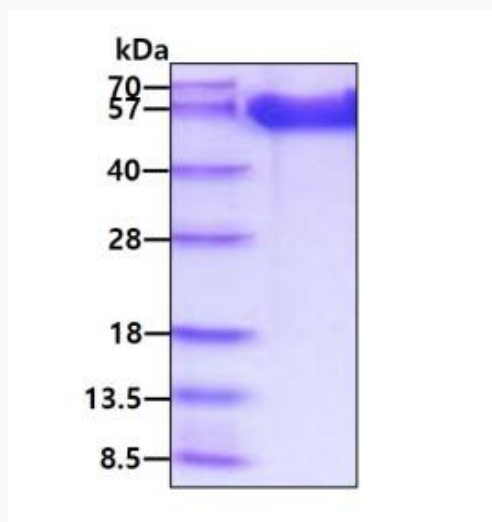
**mRNA Refseq** [NM\\_023110](#)

**Protein Refseq** [NP\\_075598](#)

**MIM** [136350](#)

**UniProt ID** [P11362](#)

#### SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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