

## Recombinant Human FGFR1 Protein, His-tagged

**Cat. No.** FGFR1-715H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGFR1 Protein is produced by Baculovirus expression system. This protein is fused with a His tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	22-374 aa
<b>Description</b>	<p>FGF R1 alpha, also known as fibroblast growth factor receptor 1 isoform 2, is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. This protein is related fibroblast growth factor (FGF) receptors that are involved in physiological and pathological processes such as cell division, regulation of cell growth and maturation, formation of blood vessels and embryonic developments. The biological activities of the FGFs are mediated by a family of type 1 transmembrane tyrosine kinases which undergo dimerization and auto-phosphorylation after ligand binding. Also, this protein is thought to play an important role in the development of the nervous system. It may also help regulate the growth of long bones, such as the large bones in the arms and legs. Defects in FGF R1 alpha are associated with various congenital malformations of the musculoskeletal system: these include the Pfeiffer syndrome, Jacksonâ€“Weiss syndrome, Antley-Bixler syndrome. Recombinant human FGF R1 alpha, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography</p>

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	techniques.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
<b>Molecular Mass</b>	40.1 kDa
<b>AA Sequence</b>	RPSPTLPEQA QPWGAPVEVE SFLVHPGDLL QLRCRLRDDV QSINWLRDGV QLAESNRTRI TGEEVEVQDS VPADSGLYAC VTSSPSGSDT TYFSVNVSDA LPSSEDDDD DDSSSEEKET DNTKPNPVAP YWTSPEKMEK KLHAVPAAKT VKFKCPSSGT PNPTLRWLKN GKEFKPDHRI GGYKVRYATW SIIMDSVVPS DKGNYTCIVE NEYGSINHTY QLDVVERSPH RPILQAGLPA NKTVALGSNV EFMCKVYSDP QPHIQWLKHI EVNGSKIGPD NLPYVQILKT AGVNTTDKEM EVLHLRNVSF EDAGEYTCLA GNSIGLSHHS AWLTVLEALE ERPAVMTSPL YLELEHHHHHH H
<b>Endotoxin</b>	< 1.0 EU per 1 ug of protein (determined by LAL method)
<b>Purity</b>	> 95 % by SDS - PAGE
<b>Notes</b>	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5 mg/ml (determined by Absorbance at 280 nm)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FGFR1 fibroblast growth factor receptor 1 [ Homo sapiens ]

<b>Official Symbol</b>	FGFR1
<b>Synonyms</b>	Fibroblast growth factor receptor 1 isoform 2; FGFR 1a; bFGF-R-1; BFGFR; CD331; CEK; ECCL; FGFBR; FGFR-1; FLG; FLT-2; FLT2; HBGFR; HH2; HRTFDS; KAL2; N-SAM; OGD;
<b>Gene ID</b>	2260
<b>mRNA Refseq</b>	NM_001174063
<b>Protein Refseq</b>	NP_001167534
<b>MIM</b>	136350
<b>UniProt ID</b>	P11362

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