Recombinant Human FGFR1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human FGFR1 Protein is produced by Baculovirus expression system. This protein is fused with a His tag.
Species	Human
Source	Insect Cells
ProteinLength	22-374 aa
Description	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 meditated 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

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	techniques.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Molecular Mass	40.1 kDa
AA Sequence	RPSPTLPEQA QPWGAPVEVE SFLVHPGDLL QLRCRLRDDV QSINWLRDGV QLAESNRTRI TGEEVEVQDS VPADSGLYAC VTSSPSGSDT TYFSVNVSDA LPSSEDDDDD DDSSSEEKET DNTKPNPVAP YWTSPEKMEK KLHAVPAAKT VKFKCPSSGT PNPTLRWLKN GKEFKPDHRI GGYKVRYATW SIIMDSVVPS DKGNYTCIVE NEYGSINHTY QLDVVERSPH RPILQAGLPA NKTVALGSNV EFMCKVYSDP QPHIQWLKHI EVNGSKIGPD NLPYVQILKT AGVNTTDKEM EVLHLRNVSF EDAGEYTCLA GNSIGLSHHS AWLTVLEALE ERPAVMTSPL YLELEHHHHH H
Endotoxin	< 1.0 EU per 1 ug of protein (determined by LAL method)
Purity	> 95 % by SDS - PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	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.
Concentration	0.5 mg/ml (determined by Absorbance at 280 nm)

GENE INFORMATION

Gene Name	FGFR1 fibroblast growth factor receptor 1 [Homo sapiens]

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Official Symbol	FGFR1
Synonyms	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;
Gene ID	2260
mRNA Refseq	NM_001174063
Protein Refseq	NP_001167534
MIM	136350
UniProt ID	P11362

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