

Recombinant Human FGFR1, His-tagged

Cat. No. FGFR1-7704H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Fibroblast Growth Factor ReceptorLike 1/FGFR1 produced by transfected human cell is a secreted protein with sequence (Ala25Pro378) of Human FGFR1 fused with a polyhistidine tag at the Cterminus.
Species	Human
Source	HEK293
Description	Fibroblast Growth Factor ReceptorLike 1 (FGFR1) is a singlepass type I membrane protein that belongs to the FGF receptor family. The mature human FGFR1 consists of a 354 amino acid extracellular domain (ECD) with 3 Iglike C2type domains, a 21 amino acid transmembrane segment, and a 134 amino acid cytoplasmic domain. FGFR1 expressed in various tissues, preferentially in cartilaginous tissues and pancreas. It highly expressed in the liver, kidney, heart, brain and skeletal muscle, weakly expressed in the lung, small intestine and spleen. FGFR1 has a negative effect on cell proliferation.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0
AA Sequence	ARGPPKMA DK VVPRQVARLG RTVRLQCPVE GDPPPLTMWT KDGRTIHSGW SRFRVLPQGL KVKQVERED AGVYVCKATN GFGSLSVNYT LVVLDDISPG KESLGPDS SS GGQEDPASQQ W ARPRFTQP SKMRRRVIAR PVGSSVRLKC VASGHPRPDI TWMKDDQALT RPEAAEPRKK KW TSLKLN RPEDSGKYTC RVSNRAGAIN ATYKVDVIQR TRSKPVL TGT HPVNTTVDFG GTT SFQCKV

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	RSDVKPVIQW
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name	FGFRL1 fibroblast growth factor receptor-like 1 [Homo sapiens]
Official Symbol	FGFRL1
Synonyms	FGFRL1; fibroblast growth factor receptor-like 1; FGFR-5; FGFR-like protein; FGF receptor-like protein 1; FGF homologous factor receptor; fibroblast growth factor receptor 5; FHFR; FGFR5;
Gene ID	53834
mRNA Refseq	NM_001004356
Protein Refseq	NP_001004356
MIM	605830
UniProt ID	Q8N441
Chromosome Location	4p16

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Function

fibroblast growth factor binding; fibroblast growth factor-activated receptor activity;
heparin binding; receptor activity;

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