

## Recombinant Human FGFR1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0
<b>AA Sequence</b>	ARGPPKMA DK VVPRQVARLG RTVRLQCPVE GPPPLTMWT KDGRTIHSGW SRFRVLPQGL KVKQVERED AGVYVCKATN GFGSLSVNYT LVLDDISPG KESLGPDSSS GGQEDPASQQ W ARPRFTQP SKMRRRVIAR PVGSSVRLKC VASGHPRPDI TWMKDDQALT RPEAAEPRKK KW TLSLKNL RPEDSGKYTC RVSNRAGAIN ATYKVDVIQR TRSKPVLGT HPVNTTVDFG GTT SFQCKV

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

	RSDVKPVIQW
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Notes</b>	For research use only.
<b>Storage</b>	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

<b>Gene Name</b>	FGFRL1 fibroblast growth factor receptor-like 1 [ Homo sapiens ]
<b>Official Symbol</b>	FGFRL1
<b>Synonyms</b>	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;
<b>Gene ID</b>	53834
<b>mRNA Refseq</b>	NM_001004356
<b>Protein Refseq</b>	NP_001004356
<b>MIM</b>	605830
<b>UniProt ID</b>	Q8N441
<b>Chromosome Location</b>	4p16

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**Function**

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

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