

Product datasheet for **RC207730**

FGFRL1 (NM_001004356) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGFRL1 (NM_001004356) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FGFRL1
Synonyms:	FGFR-5; FGFR5; FHFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207730 representing NM_001004356
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGACGCCGAGCCCCCTGTTGCTGCTCCTGCTGCCGCCGCTGCTGCTGGGGCCCTCCCGCCGGCCGCCG
 CCGCCCGAGGCCCAAGATGGCGGACAAGGTGGTCCACGGCAGGTGGCCCGCTGGGCCGCACTGT
 GCGGCTGCAGTGCCAGTGAGGGGGACCGCCCGCTGACCATGTGGACCAAGGATGGCCGACCATC
 CACAGCGGCTGGAGCCGCTTCCGCGTGTGCCGAGGGGCTGAAGGTGAAGCAGGTGGAGCGGGAGGATG
 CCGGCGTGTACGTGTGAAGGCCACCAACGGCTTCGGCAGCCTGAGCGTCAACTACACCCTCGTCGTGT
 GGATGACATTAGCCAGGAAGGAGAGCCTGGGGCCGACAGCTCCTTGGGGGTCAAGAGGACCCCGCC
 AGCCAGCAGTGGGCAGACCGCGCTTCACACAGCCCTCCAAGATGAGGCGCGGGTGATCGCACGGCCCG
 TGGGTAGCTCCGTGCGGCTCAAGTGCCTGGCCAGCGGGCACCTCGGCCGACATCACGTGGATGAAGGA
 CGACCAGCCCTGACGCGCCAGAGGCCGCTGAGCCAGGAAGAAGAAGTGGACACTGAGCCTGAAGAAC
 CTGCGGGCGGAGGACAGCGGCAATACACTGCCGCGTGTGAACCGCGCGGGCGCCATCAACGCCACCT
 ACAAGGTGGATGTGATCCAGCGGACCCGTTCCAAGCCCGTGTCAAGGCACGACCCCGTGAACACGAC
 GGTGGAATTCGGGGGGACCACGTCTTCCAGTGAAGGTGCGCAGCGACGTGAAGCCGGTGATCCAGTGG
 CTGAAGCGCGTGGAGTACGGCGCCGAGGGCCGCCCAACTCCACCATCGATGTGGCGGCCAGAAGTTTG
 TGGTGTGCCCCAGGGTGACGTGTGGTTCGCGGCCGACGGCTCTACCTCAATAAGCTGCTCATACCCG
 TGCCCGCCAGGACGATGCGGGCATGTACATCTGCCTTGGCGCCACACCATGGGCTACAGCTTCCGCAGC
 GCCTTCTCACCGTGTGCCAGACCCAAACCGCCAGGGCCACCTGTGGCCTCCTCGTCTCGGCCACTA
 GCCTGCCGTGGCCGTGGTATCGGCATCCAGCCGGCGCTGTCTTATCCTGGGCACCTGCTCCTGTG
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 GGGACGGCCCGGACCGCAGCGGAGACAAGGACCTTCCCTCGTTGGCCGCCCTCAGCGCTGGCCCTGGTG
 TGGGGCTGTGTGAGGAGCATGGGTCTCCGGCAGCCCCCAGCACTTACTGGGCCAGGCCAGTTGCTGG
 CCCTAAGTTGTACCCAACTCTACACAGACATCCACACACACACACACTCTCACACACTCA
 CACGTGGAGGGCAAGGTCCACGACATCCACTATCAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207730 representing NM_001004356
 Red=Cloning site Green=Tags(s)

MTPSPLLLLLLPLLLGAFPAAAAARGPPKMDKVVPRQVARLGRTVRLQCPVEGDPPPLTMWTKDGRTI
 HSGWSRFRVLPQGLKVKQVEREDAGVYVCKATNGFGSLSVNYTLVVLDDISPGKESLGPDSSSGQEDPA
 SQQWARPRFTQPSKMRRRVIARPVGSSVRLKCVASGHPRPDITWMKDDQALTRPEAAEPRKKWTL
 LRPEDSGKYTCRVSNRAGAINATYKVDVIQRTSRKPVLTGTHPVNTTVDFGGTTSFQCKVRSDVKPVIQW
 LKRVEYGAEGRHNSIDVGGQKFVVLPTGDVWSRPDGSYLNKLLITRARQDDAGMYICLGANTMGYSFRS
 AFLTVLPDPKPPGPPVASSSSATSLPWPVIGIPAGAVFILGTLWLQCAQKKPCTPAPAPPLPGRPP
 GTARDRSGDKDLPSLAALSAGPGVGLCEEHGSPAAPQHLLGPGPVAGPKLYPKLYTDIHTHTHTSHTHS
 HVEGKVHQHIHYQC

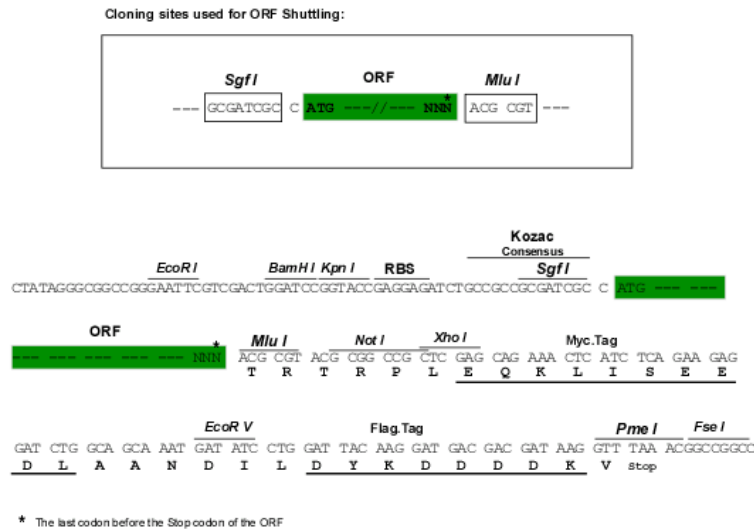
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1923_c07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001004356

ORF Size: 1512 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

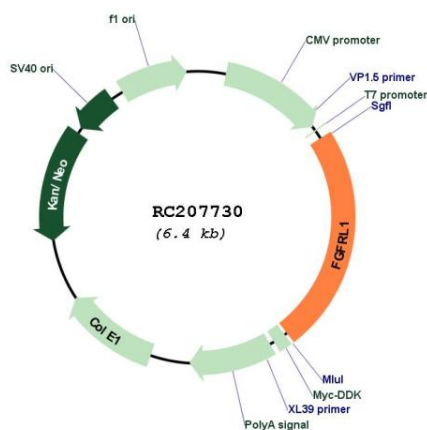
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001004356.3
RefSeq Size:	3215 bp
RefSeq ORF:	1515 bp
Locus ID:	53834
UniProt ID:	Q8N441
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome, Transmembrane
MW:	54.54 kDa
Gene Summary:	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC207730