

Product datasheet for **SC123844**

FGFRL1 (NM_021923) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGFRL1 (NM_021923) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGFRL1
Synonyms:	FGFR-5; FGFR5; FHFR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC123844 sequence for NM_021923 edited (data generated by NextGen Sequencing)

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ATGACGCCGAGCCCCCTGTTGCTGCTCCTGCTGCCGCCGCTGCTGCTGGGGCCCTCCCGCCGCCGCCG
CCGCCCCGAGCCCCCAAGATGGCGGACAAGGTGGTCCCACGGCAGGTGGCCCGCTGGGCCGCACTGT
GCGGCTGCAGTGCCAGTGGAGGGGACCCTCCGCGCTGACCATGTGGACCAAGGATGGCCGACCATC
CACAGCGCTGGAGCCGCTTCCGCGTGCTGCCGAGGGGCTGAAGGTGAAGCAGGTGGAGCGGGAGGATG
CCGGCGTGTACGTGTGCAAGGCCACCAACGGCTTCGGCAGCCTGAGCGTCAACTACACCCTCGTCGTGCT
GGATGACATTAGCCCAGGGAAGGAGAGCCTGGGGCCGACAGCTCCTCTGGGGTCAAGAGGACCCCGCC
AGCCAGCAGTGGGCACGACCGGCTTACACAGCCCTCCAAGTGAAGGCGCCGGGTGATCGCACGGCCCG
TGGGTAGTCCGTGCGGCTCAAGTGCCTGGCCAGCGGGCACCTCGGCCGACATCACGTGGATGAAGGA
CGACCAGGCTTACGCGCCAGAGGCGCTGAGCCAGGAAGAAGAAGTGGACTGAGCCTGAAGAAC
CTGCGGCCGAGGACAGCGGCAAATACACTGCCGCTGTGAACCGCGGGGCCATCAACGCCACT
ACAAGGTGGATGTGATCCAGCGGACCCGTTCCAAGCCGCTGCTCACAGGCACGACCCCGTGAACACGAC
GGTGGACTTCGGGGGACCACGTCTTCCAGTGAAGGTGCGCAGCGACGTGAAGCCGGTATCCAGTGG
CTGAAGCGCTGGAGTACGGCGCCGAGGGCCGCAACTCCACCATCGATGTGGCGGCCAGAAGTTG
TGGTGTGCCACGGGTGACGTGTGGTCCGGCCGACGGCTCCTACCTCAATAAGCTGCTCATACCCG
TGCCCGCCAGGACGATGCGGGCATGTACATCTGCCTTGGCGCAACACCATGGGCTACAGCTTCCGACG
GCCTTCTCACCGTGTGCCAGACCCAAACCGCCAGGGCCACCTGTGGCCTCCTCGTCTCGGCCACTA
GCCTGCCGTGGCCGTGGTATCGGCATCCAGCCGGCGCTGTCTTATCCTGGGCACCTGCTCCTGTG
GCTTTGCCAGGCCAGAAGAAGCCGTGCACCCCGCGCTGCCCTCCCTGCTGGGCACCGCCCGCCG
GGGACGGCCCGGACCGCAGCGGAGACAAGGACCTTCCCTCGTTGGCCGCTCAGCGCTGGCCGCTGGT
TGGGGCTGTGTGAGGAGCATGGGTCTCCGGCAGCCCCCAGCACTTACTGGGCCCAAGCCAGTTGCTGG
CCCTAAGTTGTACCCAACTCTACACAGACATCCACACACACACACACACTCTCACACACTCA
CACGTGGAGGGCAAGGTCCACCAGCACATCCACTATCAGTGTAG
    
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Clone variation with respect to NM_021923.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021923 unedited

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CTCATGCAAGACACCGGGACCGATCCATCCTCCGACTCTATCCTAGGCCGCGGGACGGA
TAACAATTTACACAGGAAACAGCTATGACCATTAGGCCTATTTAGGTGACACTATAGAA
CAAGTTTGTACAAAAAGCAGGCTGGTACCGGTCCGGAATTCGCGGGATCCCTTCTGTTT
TTAGAGAGCGGTCTGGGCCCGCCCGGGGCTGCGCAGAGGTGAGACTGCCGCGGGCAGGG
CCGGAGCCTGCTCTGGGGTTCGGGAGGTGTCTCGAGAGTTGAGGACCCGACCCGGGCGC
GCGCGGGCGCAGGTCCGGACAGGCCGAGATGACGCCGAGCCCCCTGTTGCTGCTCCTGCT
GCCCGCTGCTGCTGGGGCTTCCCGCCGGCCCGCCCGCCGAGGCCCCCAAGAT
GGCGGACAAGGTGGTCCCACGGCAGGTGGCCCGCTGGCCGCACTGTGCGGTGCAAGT
CCCAGTGGAGGGGACCCGCGCGCTGACCATGTGGACCAAGGATGGCCGACCATCCA
CAGCGGCTGGAGCCGCTTCCGCGTGTGCGCATGGGCTGAATGTGAATCATGTGGAGCG
GGAGGATGCCGCGTGTACGTGTGCAAGGCCACCAACGGCTTCGGCAGCCTGAGCGTCAA
CTACACCCTCGTGTGATGACATTAGCCCATGGAAGGAGAGCCTGGGGCCGACAG
CTCCTCTGGGGTCAAGAGGACCCGCCAGCCAGCAGTGGGCACGACCGCGTTACACAG
CCCTCCAGATGAGGCGCCGGGTGATCGCACGGCCCGTGGGTAGCTNCGTGNCGCTCAAGT
GCGTGGCCAGCGGCACCCTCGGCCGACATCACGTGGATGAATGACACAAGCCCTGAC
CCGCCATAGTCCGCTGATGCCAAGAAGAATAAT
    
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Restriction Sites:

Please inquire

ACCN:

NM_021923

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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.
RefSeq:	NM_021923.3 , NP_068742.2
RefSeq Size:	3105 bp
RefSeq ORF:	1515 bp
Locus ID:	53834
UniProt ID:	Q8N441
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) has an alternate 5' UTR, and encodes the same isoform, as compared to variant 1.</p>