

## Product datasheet for **SC300669**

### **FGFRL1 (NM\_001004356) Human Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | FGFRL1 (NM_001004356) Human Untagged Clone |
| Tag:                      | Tag Free                                   |
| 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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**Fully Sequenced ORF:** >SC300669 representing NM\_001004356.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACGCCGAGCCCCCTGTTGCTGCTCCTGCTGCCGCCGCTGCTGCTGGGGCCCTCCCGCCGGCCGCC
GCCGCCGAGCCCCCAAGATGGCGGACAAGGTGGTCCACGCGCAGGTGGCCCGCTGGGCCGCACT
GTGCGGCTGCAGTGCCAGTGGAGGGGACCCGCCCGCTGACCATGTGGACCAAGGATGGCCGCACC
ATCCACAGCGGCTGGAGCCGCTTCCGCGTGTGCCGAGGGGCTGAAGGTGAAGCAGGTGGAGCGGGAG
GATGCCGGCGTGTACGTGTGCAAGGCCACCAACGGCTTCGGCAGCCTGAGCGTCAACTACACCCTCGTC
GTGCTGGATGACATTAGCCCAGGGAAGGAGAGCCTGGGGCCGACAGCTCCTCTGGGGGTCAAGAGGAC
CCC GCCAGCCAGCAGTGGGCACGACCGCCTTACACAGCCCTCAAGATGAGGCGCCGGGTGATCGCA
CGGCCCGTGGGTAGCTCCGTGCCGCTCAAGTGCCTGGCCAGCGGGCACCCCTGGGCCGACATCACGTGG
ATGAAGGACGACCAGGCCCTTACGCGCCAGAGGCCGCTGAGCCCAGGAAGAAGAAGTGGACTGAGC
CTGAAGAACCTGCGGCCGAGGACAGCGCAAATACACCTGCCGCGTGTGAACCGCGGGCGCCATC
AACGCCACCTACAAGGTGGATGTGATCCAGCGGACCCGTTCCAAGCCCGTGTCAAGGCACGCACCCC
GTGAACACGACGGTGGACTTCGGGGGACACGTCCTTCCAGTGAAGGTGCGCAGCGACGTGAAGCCG
GTGATCCAGTGGCTGAAGCGCGTGGAGTACGGCGCCGAGGGCCGCCACAACCTCCACCATCGATGTGGC
GGCCAGAAGTTTGTGGTGTGCCACGGGTGACGTGTGGTTCGGGCCCGACGGCTCCTACCTCAATAAG
CTGCTCATACCCGTGCCCGCCAGGACGATGCGGGCATGTACATCTGCCTTGGCGCAACACCATGGGC
TACAGTTCGCGACGCGCTTCTCACCGTGTGCCAGACCCAAAACCGCCAGGGCCACCTGTGGCCCTCC
TCGTCTCGGCCACTAGCCTGCCGTGGCCGTTGGTTCATCGGCATCCAGCCGGCGCTGTCTCATCCTG
GGCACCTGCTCCTGTGGCTTTGCCAGGCCAGAAGAAGCCGTGCACCCCGCGCTGCCCTCCCTG
CCTGGGCACCGCCCGGGGACGGCCCGGACCGCAGCGGAGACAAGGACCTTCCCTCGTTGGCCGCC
CTCAGCGTGGCCCTGGTGTGGGCTGTGTGAGGAGCATGGGTCTCCGGCAGCCCCCAGCACTACTG
GGCCAGGCCAGTTGTGGCCCTAAGTTGTACCCCAAACCTACACAGACATCCACACACACACACAC
ACACACTCTACACACTCACACGTGGAGGGCAAGGTCCACCAGCACATCCACTATCAGTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
  
```

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001004356
- Insert Size:** 1515 bp
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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.

**RefSeq:** [NM\\_001004356.2](#)

**RefSeq Size:** 3215 bp

**RefSeq ORF:** 1515 bp

**Locus ID:** 53834

**UniProt ID:** [Q8N441](#)

**Cytogenetics:** 4p16.3

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 54.5 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]  
Transcript Variant: This variant (1) represents the longest transcript.