

## Product datasheet for **RN215371**

### **Flrt2 (NM\_001106750) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Flrt2 (NM_001106750) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Flrt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN215371 representing NM\_001106750  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCTGCAGACTGCAAAGTGGCCAGCCATGGGACTTTTGTCTAAAATTTGGCTCATCATGTCCC  
 TGGGACTGTACTCACATGTGCAAACTCCTGGCCTGCCCTAGTGTGTGTCGATGTGACAGGAACCTTGT  
 CTAAGTGAATGAGAGAAGCTTGACCTCAGTGCCTCTTGGGATCCCGGAGGGCGTAACCGTACTCTACCTC  
 CACAACAACCAATTAATAATGCTGGATTTCTGCAGAGCTGCACAACGTACAGTCAGTGCACACGGTCT  
 ACCTTTACGGCAACCACTGGATGAATCCCATGAACCTCCCAAGAATGTCAGAGTTCTCCATCTGCA  
 GGAAAACAACATTAGACCATCTCGCGGGCTGCTTGTCTCAGCTCCTCAAGCTGGAAGAATAACACCTA  
 GATGACAACTCCATATCTACAGTGGGAGTGAAGACGGGGCTTCCGGGAGGCAATAAGCCTCAAAGTGT  
 TGTTTTATCAAAGAATCACCTGAGTAGCGTGCCTGTTGGGCTCCCGTAGACTTGAAGAGCTGAGAGT  
 GGATGAAAACCGAATCGCGGTCAATTCAGACATGGCCTTTCAGAACCTACAAGCTTGGAGCGTCTGATC  
 GTGGATGGGAATCTTCTGACCAACAAGGCATTGCTGACGGTACCTTCAGCCATCTACCAAGCTCAAGG  
 AATTTTCCATAGTCCGGAACCTGCTCTCCACCCGCTCCCGACTCCCAAGTACGCATCTGATCAGGCT  
 CTACTTACAGGATAACCAGATAAACCATATCCATTGACAGCCTTCGAAACCTCCGTAAGCTGGAAAGG  
 CTCGATATATCCAATAACCAGCTACGAATGTTAACTCAAGGAGTCTTCGATCATCTCTCCAACCTGAAAC  
 AACTCACCGCTCGGAATAACCTTGGTTTTGCGACTGCAGCATCAAATGGGTACCGAATGGCTCAAATA  
 TATCCCTTCTTCTCAATGTGCGTGGTTTCAATGTGCCAAGTCCCGAGCAAGTCCGGGGATGGCTGTC  
 AGGAGTTGAATGAATCTTGTCTGTGCCACCAGACTCCCGGCTACCTGTCTTTACCCAGCTC  
 CCAGTACAGTGTCTCAACAACCTCAGTCTCCACTGTCTGTTCCAAGCCCCAGCAGAGGCTCGGTGCC  
 TCCAGTCCCGCCCATCCAACTTCCACCATCCCGACTGGGATGGCAGAGAAAGAGCGACCCACCT  
 ATTTCTGAAAGGATCCAACCTTCCATCCACTTCGTTAATGATACTTCAATTCAAGTACAGTGGCTGTCTC  
 TCTTACGGTGTGGCTACAACTGACGTGGGTGAAAATGGGCCACAGTCTCGTAGGGGAATCGTTCA  
 GGAACGCATTGTAGCGGTGAGAAGCAGCACCTGAGCTTGGTTAATTTAGAGCCAGATCCACGTACAGG  
 ATTTGTTTGTGACTGGACGCTTCAACTACCGACTGTGGAAGATACCATCTGTTCTGAGGCCACCA  
 CCCACGCTCTTATTTGAACAATGGCAGCAACTGCGTCTAGCCATGAGCAAACAACCTCCACACCAT  
 GGGTCCCTTTCTGCTCGCGGCTTGTGCGGGGTGCGGTGATTTTTGTGCTCGTGGTCTTGTCTCAGT  
 GTCTTTTGTGTCACATGCACAAAAGGGACGCTACACCTCCAGAAGTGGAAAACAACCGGGCCGAC  
 GGAAAGATGACTATTGTGAGGCAGGTACCAAAAAGGACAACCTCATCTTGAGATGACAGAAACAAGTTT  
 TCAGATTGCTCTTTAAATAACGATCAGCTCCTTAAAGGAGATTTGAGACTGCAGCCATTTATACCCCA  
 AATGGGGCATTAAATACACAGACTGCCACATCCCAACAACATGAGATACTGCAACAGCAGTGTGCCAG  
 ATCTGGAGCATTGTCACAGTAA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001106750
- Insert Size:** 1983 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).
- 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\\_001106750.1](#), [NP\\_001100220.1](#)

**RefSeq Size:** 2900 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 299236

**UniProt ID:** [D3ZTV3](#)

**Cytogenetics:** 6q31

**Gene Summary:** Functions in cell-cell adhesion, cell migration and axon guidance. Mediates cell-cell adhesion via its interactions with ADGRL3 and probably also other latrophilins that are expressed at the surface of adjacent cells. May play a role in the migration of cortical neurons during brain development via its interaction with UNC5D. Mediates axon growth cone collapse and plays a repulsive role in neuron guidance via its interaction with UNC5D, and possibly also other UNC-5 family members. Plays a role in fibroblast growth factor-mediated signaling cascades. Required for normal organization of the cardiac basement membrane during embryogenesis, and for normal embryonic epicardium and heart morphogenesis.[UniProtKB/Swiss-Prot Function]