

## Product datasheet for **RR203193**

### **Flrt1 (NM\_001109160) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Flrt1 (NM_001109160) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flrt1
Synonyms:	RGD1565152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR203193 representing NM\_001109160  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGTGGCACACCCTGCTGCCACCCTACCACCACCTGCTGCCACTGTCACAGCCACTGTGCTGA  
 TGACCACAGCCACCATGGACCTGCGGGACTGGCTGTTTCTCTGCTATGGGCTTATTGCCTTCTCAGCGA  
 GGTTCATCGACAGCACCACCTGCCATCAGTGTGCCGCTGTGACAATGGTTTCATCTACTGCAATGACCGG  
 GGGCTCACATCCATCCCCTCAGACATCCCTGATGACGCCACCACCCTCTACTTACAGAACAACCAGATCA  
 ACAATGCAGGCATCCCTCAGGACCTCAAGACCAAGGTCAAGGTGCAGGTCACTACCTATATGAGAATGA  
 CCTGGATGAGTTCCTATCAATCTCCCCGCTCCCTGCGAGAGCTGCATCTGCAGGACAACAATGTGCGC  
 ACCATTGCCAGGGACTCCTTGGCTCGCATCCCCTGCTGGAGAAGCTGCACCTGGATGACAACCTCCGTGT  
 CCACTGTGAGCATCGAGGAGGACGCTTTCGCTGACAGCAAGCAGCTCAAGCTGCTTTTCTGAGCCGCAA  
 CCACCTGAGCAGATTCCATCGGGGCTGCCGCACACCCTGGAGGAACTGAGGCTCGATGACAACCGCATT  
 TCTACCATCCCCCTGCACGCATTCAGGGGCTCAACAGCCTGCGACGCCTCGTTCTGGATGGCAACTTGC  
 TGGCAACCCAGCGCATCGCTGATGACACCTTACGCCCTGCAGAACCTCACAGAGCTGTGCTAGTACG  
 CAACTCGCTGGCCGCCCCGCCCTTAACTGCCAGTGCCACCTGCAGAAGCTCTACTGCAGGACAAT  
 GCCATCAGTCACATTCCTACAACACTGGCCAAAGATGCGGGAGCTGGAGAGGCTGGACCTGTCCAACA  
 ACAACCTCACCACGCTGCCTCGAGGCTGTTTGTGACCTGGGAACTGGCACAGCTGCTCCTCAGGAA  
 CAACCCCTGGTTCTGTGGCTGTAACCTCATGTGGCTGCGGGACTGGTGAAGGCACGGGCCGAGTGGTC  
 AATGTGCGGGGCTCATGTGCCAGGGCCTGAGAAGTCCGGGCATGGCCATCAAAGATATCACCAGTG  
 AGATGGATGAGTCTTTGAGGCAGGGTACAGGGCAGTGCAGCTAATGCAGCTGCCAAGACCACAGCCAG  
 CAACCATGCTTCTGCCACCACCCAGGGCTCTCTGTTTACCCTCAAGGCCAAGAGGCCAGGACTGCGC  
 CTCCTGACTCCAACATTGACTACCCATGGCCACTGGAGATGGCGCAAGACATTGGTTCATCCAGGTGA  
 AGCCACTGACAGCAGACTCTATCCGAATCACGTGGAAGGCTATGCTACCTGCCTTCTTTTTCGGCTCAG  
 TTGGCTGCGCCTGGGCCATAGCCCGGCTGTGGCTCTATCACAGAGACTGGTGCAGGGGGACAAGACA  
 GAATACTTGCTGACAGCCCTGGAGCCAAAGTCCACCTACATCATCTGTATGGTACCATGGAGACTGGCA  
 ACACCTATGTGGCTGATGAGACACCTGTGTGTGCCAAAGCAGAGACAGCTGATAGCTATGGCCCTACCAC  
 CACTCAATCAGGAACAGAATGCTGGCCCTATGGCGGGCTGCCCTGGCTGGCATTATTGGTGGTGCC  
 GTGGCTCTGTATTTCTTCTTCTGGTCTGGGAGCCATTTGCTGGTATGTGCACCGGGCCGGTGAGCTGC  
 TGACCCGAGAGAGGGTCTACAACAGGGGAGCAGGAAAAAGGATGACTACATGGAATCGGGGACCAAGAA  
 GGATAACTCCATCCTAGAAATCCGAGGCCAGGACTGCAGATGCTCCCATCAACCCGTACCGCTCCAAA  
 GAGGAGTACGTGGTACACACCATATTTCCCTCCAATGGCAGCAGCCTCTGCAAGGGAGCCACACTATTG  
 GCTATGGCACCACAGGACTACCGGAAAGGTGGCATCCCTGATGTGGACTACTCTACACA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR203193 representing NM\_001109160  
Red=Cloning site Green=Tags(s)

```
MVVAHPAATATTTAATVTATVMTTATMDLRDWLFLCYGLIAFLTEVIDSTTCPSVCRCDNFIYCNDR
GLTSIPSDIPDDATTLYLQNNQINNAGIPQDLTKVKVQVIYLYENDLDEFFINLPRSLRELHLQDNNVR
TIARDSLARIPLEKLHLDNVSYSTVSIIEEDAFADSKQLKLLFLSRNHLSSIPGLPHTLEELRLDDNRI
STIPLHAFKGLNSLRRLVLDGNLLANQRIADDTFSRLQNLTELSLVRNSLAAPPLNLP SAHLQKLYLQDN
AISHIPYNTLAKMRELERLDLSNNLTTLP RGLFDDLGNLAQLLLRNNPWFCGCNLMWLRDWVKARAAVV
NVRGLMCQGPEKVRGMAIKDITSEMDECFEAGSQGSAANAAAKTTASNHASATTPQGSFLTKAKRPGLR
LPDSNIDYPMATGDGAKTLVIQVKPLTADSIRITWKAMPLPASSFRLSWLRLGHSPAVGSITETLVQGDKT
EYLLTALEPKSTYIICMVTMETGNTYVADETPVCAKAETADSYGPTTTLNQEQNAGPMAGLPLAGIIGGA
VALVFLFLVLGAICWYVHRAGELLTRERVYNRGRSKDDYMEGKTKDNSILEIRGPGQLMPLINPYRSK
EEYVVHTIFPSNGSSLCKGAHTIGYGTTRGYREGGIPDVEDYSY
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001109160

**ORF Size:** 2022 bp

**OTI Disclaimer:** 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.

**RefSeq:** [NM\\_001109160.1](#), [NP\\_001102630.1](#)

**RefSeq Size:** 5461 bp

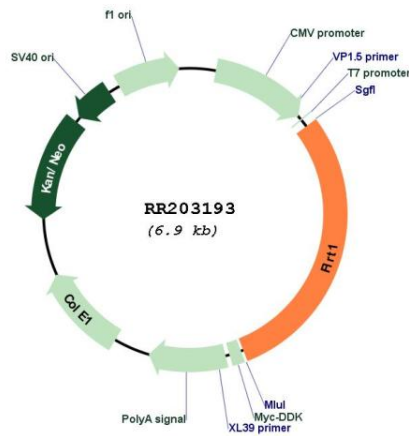
**RefSeq ORF:** 2025 bp

**Locus ID:** 499308

**Cytogenetics:** 1q43

**MW:** 74.1 kDa

**Product images:**



Circular map for RR203193