

Product datasheet for **MC220310**

Flrt1 (NM_201411) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flrt1 (NM_201411) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Flrt1
Synonyms:	AW742165; D630040I23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220310 representing NM_201411
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGTGGCACACTCTGCTGCCACCGCTACCACCACACCTGCTGCCACGGTCACAGCCACTGTGCTGA
 TGACCACAGCCACCATGGACCTGCGGGACTGGCTGTTTCTCTGTTATGGGCTCATTGCCTTCCTCACGGA
 GGTTCATCGATAGCACCACCTGCCATCAGTGTGCCGCTGTGACAATGGTTTCATCTACTGCAATGACCGG
 GGACTCACATCCATCCCCTCAGACATCCCCGACGATGCCACCACCTCTACCTACAGAACAACCAGATCA
 ACAATGCGGGCATCCCTCAGGACCTCAAGACCAAGGTCAAGTGCAGGTCACTACCTGTATGAGAATGA
 CCTGGACGAGTCCCTATCAATCTCCCCGCTCCCTGAGAGAGCTGCATCTGCAGGACAACAATGTGCGC
 ACCATCGCAGGGACTCTTTGGCTCGCATCCCCTGCTGGAGAAGCTGCACCTGGACGACAACCTCCGTTT
 CCACCGTGAGCATCGAGGAGGATGCTTTTGTGACAGCAAGCAGCTCAAGCTGCTTTTCTGAGCCGGAA
 CCACCTGAGCAGCATCCCGTCAAGGCTGCCCCACACGCTGGAGGAACTGAGGCTAGATGACAACCGCATC
 TCTACCATCCCCCTGCACGCATTCAAGGTCTCAACAGCCTGCGGCGCCTGGTTCTGGATGGCAACCTGC
 TGGCAACCAGCGCATTGCCGACGACACCTTCAGCCGGCTGCAGAACCTCACGGAGCTGTCGCTAGTACG
 GAACTCGTGGCTGCCCCGCCCTTAATCTGCCAGCGCCACCTGCAGAAGCTCTACCTGCAGGACAAT
 GCCATCAGTCACATCCCTACAACACCTGGCCAAAGATGCGGGAGCTGGAGAGGTTGGACCTGTCCAACA
 ACAACCTCACCACGCTGCCTCGGGGCTGTTTGTGACCTGGGGAACCTGGCACAGCTGCTTCTCAGGAA
 CAACCCCTGGTTCTGTGGCTGTAACCTCATGTGGCTGAGGGACTGGGTGAGGGCACGGGCTGCAGTGGTC
 AATGTGCGGGGCTCATGTGCCAGGGCCTGAGAAGTCCGGGGCATGGCCATCAAGACATCACCAGCG
 AGATGGATGAGTCTTTGAGGCGGGTACAGGGCGGTGCTGCTAATGCAGCCCAAGACCACAGTCAG
 CAACCATGCCTCTGCCACCACACCCAGGGCTCTCTGTTTACCCTCAAGGCCAAGAGGCCAGGACTGCGC
 CTCCCAGACTCCAACATTGACTACCCATGGCCACTGGCGATGGCGCAAGACATTGGTTCATCCAGGTGA
 AGCCACTGACGGCAGACTCTATCCGAATCACATGGAAGGCCATGCTACCCGCTCTTCTTTCCGGCTCAG
 TTGGCTACGTCTGGCCATAGCCCGCTGTGGCTCTATAACAGAGACCCTGGTGCAGGGGGACAAGACA
 GAGTACTGTGACAGCACTGGAGCCCAAGTCCACCTACATCATCTGTATGGTACCATGGAGACTGGCA
 ACACCTACGTGGCCGATGAGACACCTGTGTGTGCCAAGGCAGAGACAGCAGATAGCTATGGCCCTACCAC
 CAGCTCAACCAGGAACAGAATGCTGGCCCTATGGCGGGCTGCCCTGGCTGGGATTATGGTGGTGCC
 GTGGCTCTTGTATTTCTTCTTCTGGTCTGGGAGCCATTTGCTGGTACGTGCACCGGGCTGGCGAGCTGC
 TGACCCGAGAGAGGGTCTACAACAGGGGCAGCAGGAGGAAGGACGACTACATGGAGTCAGGGACCAAGAA
 GGATAACTCCATTCTAGAAATCCGTGGCCAGGACTGCAGATGCTACCCATCAACCCGTACCGCTCCAAA
 GAGGAGTACGTGGTGACACCATATTTCCCTCCAATGGCAGCAGCCTCTGCAAGGGTGCCACACTATTG
 GCTATGGCACCACAGGAGCTACCGGGAAGCGGCATCCCTGATGTGGACTACTCTACACAT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_201411
- Insert Size:** 2025 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_201411.2](#), [NP_958813.1](#)

RefSeq Size: 5876 bp

RefSeq ORF: 2025 bp

Locus ID: 396184

UniProt ID: [Q6RKD8](#)

Cytogenetics: 19 A

Gene Summary: Plays a role in fibroblast growth factor-mediated signaling cascades that lead to the activation of MAP kinases (PubMed:16872596, PubMed:20421966). Promotes neurite outgrowth via FGFR1-mediated activation of downstream MAP kinases. Promotes an increase both in neurite number and in neurite length (PubMed:20421966). May play a role in cell-cell adhesion and cell guidance via its interaction with ADGRL1/LPHN1 and ADGRL3 (PubMed:22405201).[UniProtKB/Swiss-Prot Function]