

Product datasheet for SC322469

FLRT1 (NM_013280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLRT1 (NM_013280) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLRT1
Synonyms:	SPG68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322469
CAAGGAGGCTGCTGATTGTGGCCACAGCCTCATCTGAACGCCAGGAGACCAGGATACCG
AGGCACCGGATCCCCTCTCTGTGCCCTGGGGAGCCCCAGTGCTGCCAGTCACCCCAGGG
CTGAGGTCTGCGTCCCTAGTGGTCAAGCCTGGTAGGACCACGGGGCAGGTAATGTGAG
CGCCATCTGAGCTCACGGTGTCTGAGTCGCGGCTTCGTGACTTTGGCAGGGGCCTCCGG
ACCAGTGACCCAGTCAAACCCAGAGGGTCTTGGGCGGCAGCGACGAAGGAGGTATTGAG
GCTCCAGGCCAGGTGGGGCCGGACGCCCCAGCCATCCACCATGGTGGTGGCACACCCCA
CCGCCACTGCCACCACCGCCACTGCCACTGTCACGGCCACCGTTGTGATGACCACGG
CCACCATGGACCTGCGGGACTGGCTGTTCTCTGCTACGGGCTCATCGCCTTCTGACGG
AGGTCATCGACAGCACCCTGCCCTCGGTGTGCGGCTGCGACAACGGTTCATCTACT
GCAACGACCGGGACTCACATCCATCCCCGAGATATCCCTGATGATGCCACCACCTCT
ACCTGCAGAACAACCAGATCAACAACGCCGGCATCCCCAGGACCTCAAGACCAAGGTCA
ACGTGCAGGTCACTACCTATACGAGAATGACCTGGATGAGTTCCCCATCAACCTGCCCC
GCTCCCTCCGGGAGCTGCACCTGCAGGACAACAATGTGCGCACCATTTGCCAGGGACTCGC
TGGCCCGCATCCCCTGCTGGAGAAGCTGCACCTGGATGACAACCTCCGTGTCCACCGTCA
GCATTGAGGAGGACGCCTTCGCCGACAGCAAACAGCTCAAGCTGCTTTCCTGAGCCGGA
ACCACCTGAGCAGCATCCCCTCGGGCTGCCGCACACGCTGGAGGAGCTGCGGCTGGATG
ACAACCGCATCTCCACCATCCCCTGCATGCCTTCAAGGGCTCAACAGCCTGCGGCGCC
TGGTGTGGACGGTAACCTGCTGGCCAACCAGCGTATCGCCGACGACACCTTCAGCCGCC
TACAGAACCTCACAGAGCTCTCGCTGGTGGCAATTTCGCTGGCCCGCCACCCCTCAACC
TGCCACGCGCCACCTGCAGAAGCTCTACCTGCAGGACAATGCCATCAGCCACATCCCCT
ACAACACGCTGGCCAAGATGCGTGAGCTGGAGCGGCTGGACCTGTCCAACAACAACCTGA
CCACGCTGCCCGCGGCCCTGTTGACGACCTGGGGAACCTGGCCAGCTGCTGCTCAGGA
ACAACCTTGGTTTTGTGGCTGCAACCTCATGTGGCTGCGGGACTGGGTGAAGGCACGGG
CGGCCGTGGTCAACGTGCGGGGCTCATGTGCCAGGGCCCTGAGAAGTCCGGGGCATGG
CCATCAAGGACATTACCAGCGAGATGGACGAGTGTGTTGAGACGGGGCCGAGGGCGGGC
TGCCAATGCGGCTGCCAAGACCAGGCCAGCAACCACGCTCTGCCACCACGCCCCAGG



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GTTCCCTGTTTACCCTCAAGGCCAAAAGGCCAGGGCTGCGCCTCCCCGACTCCAACATTG
 ACTACCCCATGGCCACGGGTGATGGCGCCAAGACCCTGGCCATCCACGTGAAGGCCCTGA
 CGGCAGACTCCATCCGCATCACGTGGAAGGCCACGCTCCCCGCCTCTCTTTCCGGCTCA
 GTTGGCTGCGCCTGGGCCACAGCCAGCCGTGGGCTCCATCACGGAGACCTTGGTGCAGG
 GGGACAAGACAGAGTACCTGCTGACAGCCCTGGAGCCCAAGTCCACCTACATCATCTGCA
 TGGTACCATGGAGACCAGCAATGCCTACGTAGCTGATGAGACACCCGTGTGTGCCAAGG
 CAGAGACAGCCGACAGCTATGGCCCTACCACCACACTCAACCAGGAGCAGAACGCTGGCC
 CCATGGCGAGCCTGCCCTGGCGGGCATCATCGCGGGGCAAGTGGCTCTGGTCTTCTCT
 TCTGGTCTGGGGCCATCTGCTGGTACGTGCACCAGGCTGGCGAGCTGCTGACCCGGG
 AGAGGGCTACAACCGGGCAGCAGGAAAAAGGATGACTATATGGAGTCAGGGACCAAGA
 AGGATAACTCCATCTGGAAATCCGCGGCCCTGGGCTGCAGATGCTGCCATCAACCCGT
 ACCGCGCCAAAGAGGAGTACGTGGTCCACACTATCTTCCCCTCCAACGGCAGCAGCCTCT
 GCAAGGCCACACACACCATTGGCTACGGCACCACGCGGGGCTACCGGGACGGCGGCATCC
 CCGACATAGACTACTCCTACACATGATGCCCGCCACCCGGGCTGCCCGCCTCAGCCCC
 AGCTGCCCTGGCGTGGCCATGTGGCTTTGCCAGCCTGCTGCAATCCAAGAGAGCAAGGA
 AGAGAAATTCATGGGTGACTTTCTCCGAGAAAGCAAAGTTTGGGGAGGGCTGACGAT
 TTTGTAGAACAACAACAGTGACAATTTTTTTTAAAAGAATAGAAGGCAGGAGGGGGAATTC
 GACATTGTTGAAGACATAATTTATACCAAGTTATGCCAGTTGGGGAGGGAAGGACTAAAA
 ATAATATTGCAGGCAGGGCTGGGTTGGGTTTTTTTTTTTTTCCCCCTGAACTGGAAGG
 ATACTACTGTACAACATCTGTGGACACCTCATGCTCTGTTCAAGGCCATCACAAGGAA
 CCGCCAGGGAGAAGCAGCCGGCTCTCAAAGCTCCCACGCAGCTCTCCCGCACTGGCCAC
 TCGCTGGCGACCCGATGGAAGGTTTTTTCAGGCTCCTCACAAGGAGAGAGGGAAGAAAAGA
 TCTTTTGCCTGGAGATATGGTCTGAAATCTCTCCCCTGGCTTATTCCATACCATTTCC
 CTTGCAGATTTGCAGAAACATGGCATCTTCACTGCATTCTTTGAACAATCATGTAGTCG
 ATTAATAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_013280

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_013280.4](#), [NP_037412.2](#)
RefSeq Size:

3252 bp

RefSeq ORF: 2025 bp

Locus ID: 23769

UniProt ID: [Q9NZU1](#)

Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the fibronectin leucine rich transmembrane protein (FLRT) family. The family members may function in cell adhesion and/or receptor signalling. Their protein structures resemble small leucine-rich proteoglycans found in the extracellular matrix. The encoded protein shares sequence similarity with two other family members, FLRT2 and FLRT3. This gene is expressed in kidney and brain. [provided by RefSeq, Jul 2008]