

## Product datasheet for **SC115326**

### 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:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_013280, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGTGGCACACCCACCGCCACTGCCACCACCACGCCACTGCCACTGTCACGGCCACCGTTGTGA
TGACCACGGCCACCATGGACCTGCGGGACTGGCTGTTCTCTGCTACGGGCTCATCGCCTTCTGACGGA
GGTCATCGACAGCACACCTGCCCTCGGTGTGCCGCTGCGACAACGGCTTCATCTACTGCAACGACCGG
GGACTCACATCCATCCCCGAGATATCCCTGATGATGCCACCACCCTCTACCTGCAGAACAACCAGATCA
ACAACGCCGGCATCCCCAGGACCTCAAGACCAAGGTCAACGTGCAGGTATCTACCTATACGAGATGA
CCTGGATGAGTTCCCATCAACCTGCCCGCTCCCTCCGGGAGCTGCACCTGCAGGACAACAATGTGCGC
ACCATTGCCAGGGACTCGCTGGCCCGCATCCCGTGTGGAGAAGCTGCACCTGGATGACAACTCCGTGT
CCACCGTCAGCATTGAGGAGGACGCCTTCGCCGACAGCAAACAGCTCAAGCTGCTCTTCTGAGCCGAA
CCACCTGAGCAGCATCCCCTCGGGGCTGCCGCACACGCTGGAGGAGCTGCGGCTGGATGACAACCGCATC
TCCACCATCCCGTGCATGCCTCAAGGGCCTCAACAGCCTGCGGCGCCTGGTGTGGACGGTAACCTGC
TGGCCAACGAGCGCATCGCCGACGACACCTTCAGCCGCCTACAGAACCTCACAGAGCTCTGCTGGTGGC
CAATTCGCTGGCCGCGCCACCCCTCAACCTGCCAGCGCCACCTGCAGAAGCTCTACCTGCAGGACAAT
GCCATCAGCCACATCCCCTACAACACGCTGGCCAAGATGCGTGAGCTGGAGCGGCTGGACCTGTCCAACA
ACAACCTGACCACGCTGCCCCGCGGCTGTTCCGACGACCTGGGGAACCTGGCCAGCTGCTGCTCAGGAA
CAACCTTGGTTTTGTGGCTGCAACCTCATGTGGCTGCGGGACTGGTGAAGGCACGGGCGGCGGTGGTC
AACGTGCGGGGCTCATGTGCCAGGGCCCTGAGAAGGTCCGGGGCATGGCCATCAAGGACATTACCAGCG
AGATGGACGAGTGTTTGAGACGGGGCCGAGGGCGGCGTGGCCAATGCGGCTGCCAAGACCACGGCCAG
CAACACGCCTCTGCCACCACGCCCCAGGGTTCCTGTTTACCCTCAAGGCCAAAAGGCCAGGGCTGCGC
CTCCCCGACTCCAACATTGACTACCCCATGGCCACGGGTGATGGCCCAAGACCCTGGCCATCCACGTGA
AGGCCCTGACGGCAGACTCCATCCGCATCACGTGGAAGGCCACGCTCCCCGCCTCCTTTCCGGCTCAG
TTGGCTGCGCCTGGGCCACAGCCAGCCGTGGGCTCCATCACGGAGACCTTGGTGCAGGGGGACAAGACA
GAGTACCTGCTGACAGCCCTGGAGCCAAAGTCCACCTACATCATCTGCATGGTACCATGGAGACCAGCA
ATGCTACGTAGCTGATGAGACACCCGTGTGTGCAAGGCAGAGACAGCCGACAGCTATGGCCCTACCAC
CACACTCAACCAGGAGCAGAACGCTGGCCCATGGCGAGCCTGCCCTGGCGGGCATCATCGCGGGGCA
GTGGCTCTGGTCTTCTTCTTCTGGTCTGGGGCCATCTGCTGGTACGTGCACCAGGCTGGCGAGCTGC
TGACCCGGGAGAGGGCCTACAACCGGGGACGAGAAAAAGGATGACTATATGGAGTCAGGGACCAAGAA
GGATAACTCCATCCTGGAATCCGCGGCCCTGGGCTGCAGATGCTGCCATCAACCCGTACCGGCCAAA
GAGGAGTACGTGGTCCACACTATCTTCCCTCCAACGGCAGCAGCTCTGCAAGGCCACACACACCATTTG
CTACGGCACCACGCGGGGCTACCGGGACGCGGCATCCCCGACATAGACTACTCTACACATGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_013280 unedited

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NNNCCGTTAGGATTTGTAATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCCG
CGTGCCGAATTCNGCACCAGGCCTGGGGCCAGAGGGGGTGCCTGTGCCCTTGCAC
AGGAGCCTCACTCTGCGGGGTAAGCCAGCTGCGCCTGCGGCCTANGGGCCAAGGGAGG
CTGCTGATTGTGGCCACAGCCTCATCTGAGACGCCAGGAGACCAGGATACCGAGGCGCC
GGATCCCGTCTCTGTGCCCTGGGAGCCCCAGTGCAGCCAGTACCCCCAGGGGGAGGT
CTGCGTCCCTAGTGGGGCAGGCGCTGGTANGACCACGGGGCAGGGAATGTGAGCGCCAT
CCGAGCTCACGGTGTGCTGAGTCGCGGCTTCGTGACTTTGGCAGGGGCTCCGGAGCAGT
GACCCAGTCAAACCCAGAGGGGCTTGGGCGGCGGACGAAGGAGGTGTTCAAGGCTCCA
GGCCAGGTGGGGCCGACGCCCCAGCCATCCCCATGGGGGGTNGCACACCCACCGGC
ACTGGCACCACCACGCCACTGGCACTGTGACGGCCACCGTGTGTGATGACCACGGCCAC
CATGGACCTGCGGGACTGGCTGTTCTCTGGTACGGGCTCATCGGCTTCTGACGGAGGT
CATCGACAGCACCACCTGGCCCTCGGTGTGCCGCTGCGACAACGGCTTACTACTGGGA
CGACCGGGGACTCACATCCATCCCCGAGATATCCCTGAGGAGGCCACCACCTCTAACT
GGGGGAACACCAGATCAACAACGCCGGGCTTCCCAGGGCCTCAAGACCAAGGTCAACGT
GGAGGTGATCTACCTATACGAGAATGACCCGGGAGAGTTCCATAAACTGGGCGCGGTTCT
TTCGGGAGG
    
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<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_013280
<b>Insert Size:</b>	3400 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013280.4</a> , <a href="#">NP_037412.2</a>
<b>RefSeq Size:</b>	3252 bp
<b>RefSeq ORF:</b>	2025 bp
<b>Locus ID:</b>	23769
<b>UniProt ID:</b>	<a href="#">Q9NZU1</a>
<b>Cytogenetics:</b>	11q13.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	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]