

Product datasheet for **SC127027**

FLRT3 (NM_198391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLRT3 (NM_198391) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLRT3
Synonyms:	HH21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127027 sequence for NM_198391 edited (data generated by NextGen Sequencing)

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ATGATCAGCGCAGCCTGGAGCATCTTCCTCATCGGGACTAAAATTGGGCTGTTCTTCAA
GTAGCACCTCTATCAGTTATGGCTAAATCCTGTCCATCTGTGTGCTGCGATGCGGGT
TTCATTTACTGTAATGATCGCTTCTGACATCCATTCCAACAGGAATACCAGAGGATGCT
ACAACCTCTACCTTCAGAACAACCAAAATAAATAATGCTGGGATTCCTTCAGATTTGAAA
AACTTGCTGAAAGTAGAAAGAATATACCTATACCACAACAGTTTAGATGAATTTCTACC
AACCTCCCAAAGTATGTAAGAGATTACATTTGCAAGAAAATAACATAAGGACTATCACT
TATGATCACTTTCAAAAATTCCCTATCTGGAAGAATTACATTTAGATGACAACCTGTGTC
TCTGCAGTTAGCATAGAAGAGGGAGCATTCCGAGACAGCAACTATCTCCGACTGCTTTTC
CTGTCCCATAACCTTAGCACAATTCCTGGGGTTTGCCAGGACTATAGAAGAACTA
CGCTTGGATGATAATCGCATATCCACTATTTTCATCACCATCTCTCAAGGTCTCACTAGT
CTAAAACGCTGGTTCTAGATGGAAACCTGTTGAACAATCATGGTTTAGGTGACAAAGTT
TTCTTCAACCTAGTTAATTTGACAGAGCTGTCCCTGGTGCAGAAATCCCTGACTGCTGCA
CCAGTAAACCTTCCAGGCACAAACCTGAGGAAGCTTTATCTTCAAGATAACCACATCAAT
CGGGTGCCCCAAATGCTTTTTCTTATCTAAGGCAGCTCTATCGACTGGATATGTCCAAT
AATAACCTAAGTAATTTACCTCAGGGTATCTTTGATGATTTGGACAATATAACACAACCTG
ATTCTTGCACAACATCCCTGGTATTGCGGGTGCAAGATGAAATGGGTACGTGACTGGTTA
CAATCACTACCTGTGAAGGTCAACGTGCGTGGGCTCATGTGCCAAGCCCCAGAAAAGGT
CGTGGGATGGCTATTAAGGATCTCAATGCAGAAGTGTGATTGTAAGGACAGTGGGATT
GTAAGCACCATTAGATAAACCCTGCAATACCCAACACAGTGTATCCTGCCAAGGACAG
TGGCCAGCTCCAGTGACCAACAGCCAGATATTAAGAACCCCAAGCTCACTAAGGATCAC
CAAACACAGGGAGTCCCTCAAGAAAAACAATTACAATTACTGTGAAGTCTGCACTTCT
GATACCATTATCTCTTGGAAACTTGCTCTACCTATGACTGCTTTGAGACTCAGCTGG
CTTAAACTGGGCCATAGCCCGGCAATTTGGATCTATAACAGAAACAATTGTAACAGGGGAC
CGCAGTGAGTACTTGGTACAGCCCTGGAGCCTGATTCACCCTATAAAGTATGCATGGTT
CCCATGGAACCAGCAACCTCTACCTATTTGATGAAACTCCTGTTTGTATTGAGACTGAA
ACTGCACCCCTTCGAATGTACAACCCTACAACCACCTCAATCGAGAGCAAGAGAAAGAA
CCTTACAAAACCCCAATTTACCTTTGGCTGCCATCATTGGTGGGGCTGTGGCCCTGGTT
ACCATTGCCCTTCTTGTGTTAGTGTGTTGGTATGTTTCATAGGAATGGATCGCTCTTCTCA
AGGAAGTGTGCATATAGCAAAGGGAGGAGAAGAAAGGATGACTATGCAGAAGCTGGCACT
AAGAAGGACAACCTATCCTGGAATCAGGAACTTCTTTTCAGATGTTACCAATAAGC
AATGAACCATCTCGAAGGAGGAGTTTGTAAATACACCATATTTCTCCTAATGGAATG
AATCTGTACAAAACAATCACAGTGAAAGCAGTAGTAACCGAAGTACAGAGACAGTGGT
ATTCCAGACTCAGATCACTCACACTCATGA
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Clone variation with respect to NM_198391.2
1257 c=>t;1380 a=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_198391 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGCAGGACAAGCTCA
 GCCTGCAGCTGCCGTGGGCTTTGTGTGGACTGGACGCAGAGCTTGGGAGACGGGGGAGGG
 CTATTACTCCAATTCAGTGTCAATGGAATTACAGCTATAGCGGCAGTGTATATAGGATTG
 CTTTTCTCGTCTTCTGGGTTCTGAAGTAACGGAAGCTACCTTGTATAAAGACCTCAAC
 ACTGCTGACCATGATCAGCGCAGCCTGGAGCATTTCTCATCGGGACTAAAATTGGGCT
 GTTCCTTCAAGTAGCACCTCTATCAGTTATGGCTAAATCCTGTCCATCTGTGTGTCGCTG
 CGATGCGGGTTTCATTTACTGTAATGATCGCTTCTGACATCCATTCCAACAGGAATACC
 AGAGGATGCTACAACCTCTACCTTTCAGAACCAACAAATAAATAATGCTGGGATTCCTTC
 AGATTTGAAAACTTGCTGAAAGTAGAAAAGATATACCTATACCACAACAGTTTAGATGA
 ATTTCTACCAACCTCCCAAAGTATGTAAGAGTTACATTTGCAAGAAAATAACATAAG
 GACTATCACTTATGATTCACCTTCAAAAATCCCTATCTGGAAGAATTACATTTAGATGA
 CAACTCTGTCTCTGCAGTTAGCATAGAAGAAGGAGCATTCCGAGACAGCACTATCTCCGA
 CTGCTTTTNNCTGTNCCGTNATCACCTTACACAATCCCCTGGGGNTTNGCCCAGACTAT
 AGAAGAAGTACGCTGGNATGATAATCGCATATCCACTATTTTCATCACCATCTCTTTCAGG
 TCTNACTAGTCTAAACCGCTGGTNTAGATGGAAACCCCTGTGACATNCATGGTTAGNG
 GACAAAGTTTCCTCAACTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_198391 unedited
 GAGTCGAGTTTTTTTTTTTTTTTTTTTACATTTTATTAATACCAAAGTGAAAAATGGCC
 TGTGCTTATACTACAAGGATCTCATATGAATGCAGTCCTGATTGTTGACACAGCAAGAA
 AATTCACCTTTCACAGTCAACAAGTCATCTTACTCAGTAGAACACAAAGTAAATGGTTTAT
 AACTCCAATATTTGCAAGGAAAAACAGTACAAATTAATAAAAAATACTAAAATATAGAA
 TTGTGTTCAAGGCATCTCCACTACATCAATCGCAGCAGTAACCTGAAATTTGAAACTTTTA
 ATAAAAAGTTCTTAAATATAAATATATGGCAAATGTACAGTACATTGCTTTTTTTTTCAGT
 CTCTTTTTCCAGTGTTTTGTCAGTAGAACAGGGTTCCTACCATCACCTCCCTTAGGTTTAA
 AAAACCAAAAACAAGTCTGCTGTGAGTCCTTACGCATCATGAGTGTGAGTGATCTGAG
 TCTGGAATACCACTGTCTCTGTAGCTTCGGTTACTACTGCTTTCAGTGTGATTGTTTTT
 TACAGATTCAATCCATTANGAGGAAATATGGTGTGATTACAAACTCCTCCTTCGAGAGG
 GTTCATTGCTTATTGGTACATCTGAAAGAGTTTCCCTGATTCCAGGATAGAGTTGTCCTT
 CTAGTGCCAGCTTCTGCATAGNCATCCTTTCTTCTNCTCCCTTTGCATATGCACAGTTCC
 TTGAGAAGAGCGATCCATTTCTATGACATACCNACCCACTANNAGCAGAAGGGCATGGN
 TACCCANGGCCACAGNCCACCAATGATGGCAGCCAAAGGTAATTGGGGTTTTGTAAAG
 GTCTTTCTCTGCTCNTCGATGAGGNTGGNTGNAAGGNTGTACATTCCAAGGGTGCATNT
 TCATCTCACTACAAACAGGAGTTCATCAAATAGTAAAGTTGGCTGCTTCCATGGGAACAT
 GCATACTTTAGGNGGATCAAGCTCAAGGCTGTACAAAACCTCACTGGNCCCTGTTTCATTG
 TTCTGTATAAATCCATGCCGCTTGCCANTTAGCCACTGATTCAGCATCTAGGTAAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_198391

Insert Size:

2710 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_198391.1](#), [NP_938205.1](#)

RefSeq Size: 3977 bp

RefSeq ORF: 1950 bp

Locus ID: 23767

UniProt ID: [Q9NZU0](#)

Cytogenetics: 20p12.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the fibronectin leucine rich transmembrane protein (FLRT) family. FLRTs may function in cell adhesion and/or receptor signalling. Their protein structures resemble small leucine-rich proteoglycans found in the extracellular matrix. This gene is expressed in many tissues. Two alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2010]
Transcript Variant: This variant (2) is the longer transcript. Variants 1 and 2 encode the same isoform.