

Product datasheet for **RG205052**

FLRT3 (NM_198391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLRT3 (NM_198391) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FLRT3
Synonyms:	HH21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205052 representing NM_198391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCAGCGCAGCCTGGAGCATCTTCCTCATCGGGACTAAAATTGGGCTGTTCTTCAAGTAGCACCTC
 TATCAGTTATGGCTAAATCCTGTCCATCTGTGTGCTGCGATGCGGGTTTCATTTACTGTAATGATCG
 CTTTCTGACATCCATTCCAACAGGAATACCAGAGGATGCTACAACCTCTACCTCAGAACAACCAATA
 AATAATGCTGGGATTCCTTCAGATTTGAAAACTTGCTGAAAGTAGAAAGAATATACCTATACCACAACA
 GTTTAGATGAATTTCTACCAACCTCCCAAAGTATGTAAGAGGTTACATTTGCAAGAAAATAACATAAG
 GACTATCACTTATGATTCACCTTCAAAAATCCCTATCTGGAAGAATTACATTTAGATGACAACCTGTGC
 TCTGCAGTTAGCATAGAAGAGGGAGCATTCCGAGACAGCAACTATCTCCGACTGCTTTTCTGTCCCGTA
 ATCACCTTAGCACAAATCCCTGGGGTTGCCAGGACTATAGAAGAACTACGCTTGGATGATAATCGCAT
 ATCCACTATTTATCACCATCTCTCAAGGTCTCACTAGTCTAAAACGCCTGGTTCTAGATGGAAACCTG
 TTGAACAATCATGGTTTAGGTGACAAAGTTTTCTCAACCTAGTTAATTTGACAGAGCTGTCCCTGGTGC
 GGAATTCCTGACTGCTGCACCAGTAAACCTTCCAGGCACAAACCTGAGGAAGCTTTATCTTCAAGATAA
 CCACATCAATCGGGTGCCCCAAATGCTTTTTCTTATCTAAGGCAGCTCTATCGACTGGATATGTCCAAT
 AATAACCTAAGTAATTTACCTCAGGGTATCTTTGATGATTTGGACAATAACACAACCTGATTCTTCGCA
 ACAATCCCTGGTATTGCGGGTGCAAGATGAAATGGGTACGTGACTGGTTACAATCACTACCTGTGAAGGT
 CAACGTGCGTGGGCTCATGTGCCAAGCCCCAGAAAAGTTCGTGGGATGGCTATTAAGGATCTCAATGCA
 GAACCTGTTGATTGTAAGGACAGTGGGATTGTAAGCACCATTAGATAACCACTGCAATACCCAACACAG
 TGTATCCTGCCAAGGACAGTGGCCAGCTCCAGTGACCAACAGCCAGATATTAAGAACCCTCAAGCTCAC
 TAAGGATACCAAAACCACAGGGAGTCCCTCAAGAAAAACAATTACAATTACTGTGAAGTCTGTACCTCT
 GATACCATTATCTCTTGGAAACTTGCTCTACCTATGACTGCTTTGAGACTCAGCTGGCTTAAACTGG
 GCCATAGCCCGCATTTGGATCTATAACAGAAACAATTGTAACAGGGGAACGAGTGAAGTACTTGGTAC
 AGCCCTGGAGCCTGATTCACCCTATAAAGTATGCATGGTCCCATGGAAACCAGCAACCTCTACCTATTT
 GATGAACTCCTGTTTGTATTGAGACTGAACTGCACCCCTTGAATGTACAACCCTACAACCACCTCA
 ATCGAGAGCAAGAGAAACCTTACAAAAACCCAAATTTACCTTTGGCTGCCATCATTGGTGGGGCTGT
 GGCCCTGGTTACCATTGCCCTTCTGCTTATGTTGTTGGTATGTTTATAGGAATGGATCGCTCTTCTCA
 AGGAACCTGTGCATATAGCAAAGGGAGGAGAAGAAAGGATGACTATGCAGAAGCTGCCACTAGAAGGACA
 ACTCTATCCTGGAAATCAGGGAACTTCTTTTCAGATGTTACCAATAAGCAATGAACCCATCTCGAAGGA
 GGAGTTTGTAAATACACACCATATTTCTCCTAATGGAATGAATCTGTACAAAAACAATCACAGTGAAGG
 AGTAGTAACCGAAGCTACAGAGACAGTGGTATTCCAGACTCAGATCACTCACACTCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205052 representing NM_198391
 Red=Cloning site Green=Tags(s)

MISAAWSIFLIGTKIGLFLQVAPLSVMAKSCPSVCRCDAGFIYCNDRFLTSIPTGIPEDATLLYLQNNQI
 NNAGIPSDLKNLLKVERIYLYHNSLDEFPTNLPKYVKELHLQENNIRTITYDSLKIPYLEELHLLDNSV
 SAVSIEEGAFRDSNYLRLLFLSRNHLSTIPWGLPRTIEELRLDDNRISTISSPSLQGLTSLKRLVLDGNL
 LNNHGLGDKVFFNLVNLTELSLVRNSLTAAPVNLPGTNLRKLYLQDNHINRVPPNAFSYLRQLYRLDMSN
 NNLNLPQGIFFDDLNIITQLILRNPWYCGCKMKWVRDWLQSLPVKVNVRGLMCQAPEKVRGMAIKDLNA
 ELFDCKDSGIVSTIQITTAIPNTVYPAQGWPAVTKQPDIKNPKLTKDHQTTGSPSRKTIITITVKSPTS
 DTIHSWKLALPMTALRLSWLKLGHSPAFGSITETIVTGERSEYLVTALEPDSYKVCMPMETSNLVLF
 DETPVCIEETETAPLRMYNPTTTLNREQEKEPYKNPNLPLAAIIGGAVALVTIALLALVCVYVHRNGLSFS
 RNCAYSKGRRRKDDYAEAGTKKDNSILEIRETSFQMLPISNEPISKEEFVIHTIFPPNGMNLKNNHSES
 SSNRSYRDSGIPDSHSHS

TRTRPLE – GFP Tag – V

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:	<ol style="list-style-type: none">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_198391.3
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]