

## Product datasheet for **RR216524**

### Flot2 (NM\_001270801) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Flot2 (NM_001270801) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flot2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216524 representing NM_001270801 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACGTTGCAGCCCCGCTGTGAGGACGTAGAGACGGCCGAGGGGTAGCTTTAACTGTGACGGGTGTCC  
CCCAGGTGAAGATCATGACGGAGAAGGAGCTCCTGGCTGTAGCCTGTGAACAGTTCTCTGGCAAGAACGT  
GCAGGACATTAAGAACGTCGTAAGTGCAGACCCCTGGAGGGGCATCTACGCTCCATCCTTGGGACTCTGACT  
GTGGAGCAGATTTATCAGGACCGAGACCAGTTTGCCAAGCTGGTGCAGGGAAGTGGCAGCCCTGATGTTG  
GCCGATGGGCATCGAGATCCTCAGCTTACCATCAAGGATGTCTATGACAAAGTAGACTATCTGAGCTC  
CCTGGGCAAGACACAGACTGCCGTGGTACAGAGAGATGCAGACATCGGTGTGGCAGAGGCAGAGCGGGAC  
GCAGGCATCCGGGAAGCCGAGTGAAGAAGGAAATGCTAGATGTGAAGTTCATGGCAGACACCAAGATTG  
CTGACTCCAAGAGAGCCTTTGAGCTGCAAAAGTCAGCCTTCAGTGAGGAGGTCAACATCAAGACAGCTGA  
GGCCAGTTGGCCTATGAGCTACAAGGGCCAGAGAGCAACAGAAGATCCGGCAGGAAGAGATTGAGATT  
GAGGTAGTACAGCGCAAGAAGCAGATCGCCGTGGAGGCGCAGGAGATCCTGCGCACAGACAAGGAGCTCA  
TCGCCACAGTGCAGCCGCTGCAGAGGCAGAGGCCACCCGATCCAGCAGATTGCTGAAGCGGAAAAGGT  
GAAACAAGTCTCTTGGACAAGCAGAAGCTGAGAAGATTGCAAAATCGGGGAGGCAGAGGCAGCAGCTC  
ATTGAGGCCATGGCAAGGCCGAGGCCGAGCGGATGAAGCTTAAAGCTGAGGCCTACCAGAGTACGGGG  
ATGCGGCCAAGATGGCCCTGGTGTGGAGGCCCTGCCCAGATTGCTGCCAAGATCTCCGCACCCCTGAC  
TAAAGTCGATGAGATTGTGGTCTCAGTGGGACAACAGCAAGGTGACATCAGAAGTGAACCGGCTGCTA  
GCAGAAGTGCCTGCTTCTGTTTATGCCCTCACTGGTGTGGACCTCTCAAAGATACCACTGATCAAGAATG  
CCACTGGTGGCAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216524 representing NM\_001270801  
 Red=Cloning site Green=Tags(s)

MTLQPRCEDVETAEGVALTVTGVAQVKIMTEKELLAVACEQFLGKNVQDIKNVVLQTLLEGHLRSILGTLT  
 VEQIYQDRDQFAKLVREVAAPDVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDADIGVAEAEERD  
 AGIREAECKKEMLDVKFMADTKIADSKRAFELQKSAFSEEVNIKTAEAQLAYELQGAREQQKIRQEEIEI  
 EVVQRKKQIAVEAQEILRTDKELIATVRRPAEAEAHRIQQIAEGEKVKQVLLAQAEAEKIRKIGEAEEAV  
 IEAMGKAEERMKLKAEAYQKYGDAAKMALVLEALPQIAAKISAPLTKVDEIVVLSGDNSKVTSEVNRL  
 AELPASVHALTGVDLSKIPLIKNATGAQV

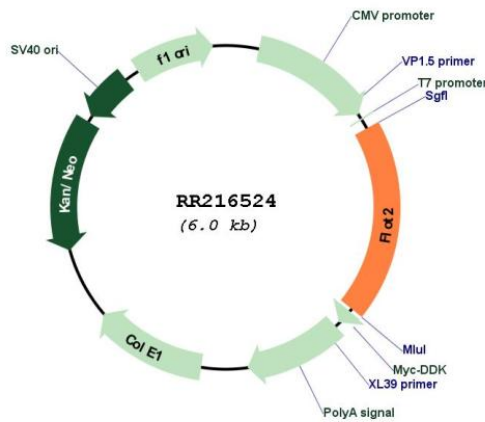
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270801

<b>ORF Size:</b>	1137 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001270801.1</a> , <a href="#">NP_001257730.1</a>
<b>RefSeq Size:</b>	2662 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	83764
<b>Cytogenetics:</b>	10q25
<b>MW:</b>	41.7 kDa
<b>Gene Summary:</b>	colocalized with activated GPI-linked cell adhesion molecules at the plasma membrane where transmembrane signaling may occur [RGD, Feb 2006]