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Product datasheet for RR216649

Flot2 (NM_001270800) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flot2 (NM_001270800) 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:

>RR216649 representing NM_001270800
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAATTGCCACACGGTGGGCCCCAACGAGGCACTGGTGGTCTCAGGGGGCTGTTGTGGTTCTGACT
ACAAGCAGTATGTGTTTGGCGGCTGGGCTTGGGCCTGGTGGTGTATCTCGGACACTCAGAGGATTTCCCT
AGAGATTATGACGTTGCAGCCCCGCTGTGAGGACGTAGAGACGGCCGAGGGGGTAGCTTTAACTGTGACG
GGTGTCGCCCAGGTGAAGATCATGACGGAGAAGGAGCTCCTGGCTGTAGCCTGTGAACAGTTCCTGGGCA
AGAACGTGCAGGACATTAAGAACGTCGTACTGCAGACCCTGGAGGGGCATCTACGCTCCATCCTTGGGAC
TCTGACTGTGGAGCAGATTTATCAGGACCGAGACCAGTTTGCCAAGCTGGTGCGGGAAGTGGCAGCCCCT
GATGTTGGCCGTATGGGCATCGAGATCCTCAGCTTCACCATCAAGGATGTCTATGACAAAGTAGACTATC
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GCGGGACGCAGGCATCCGGGAAGCCGAGTGCAAGAAGGAAATGCTAGATGTGAAGTTCATGGCAGACACC
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CAGCTGAGGCCCAGTTGGCCTATGAGCTACAAGGGGCCAGAGAGCAACAGAAGATCCGGCAGGAAGAGAT
TGAGATTGAGGTAGTACAGCGCAAGAAGCAGATCGCCGTGGAGGCGCAGGAGATCCTGCGCACAGACAAG
GAGCTCATCGCCACAGTGCGCCGCCCTGCAGAGGCAGAGGCCCACCGCATCCAGCAGATTGCTGAAGGCG
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AGCAGTCATTGAGGCCATGGGCAAGGCCGAGGCCGAGCGGATGAAGCTTAAAGCTGAGGCCTACCAGAAG
TACGGGGATGCGGCCAAGATGGCCCTGGTGCTGGAGGCCCTGCCCCAGATTGCTGCCAAGATCTCCGCAC
CCCTGACTAAAGTCGATGAGATTGTGGTTCTCAGTGGGGACAACAGCAAGGTGACATCAGAAGTGAACCG
GCTGCTAGCAGAACTGCCTGCTTCTGTTCATGCCCTCACTGGTGTGGACCTCTCAAAGATACCACTGATC
AAGAATGCCACTGGTGCGCAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

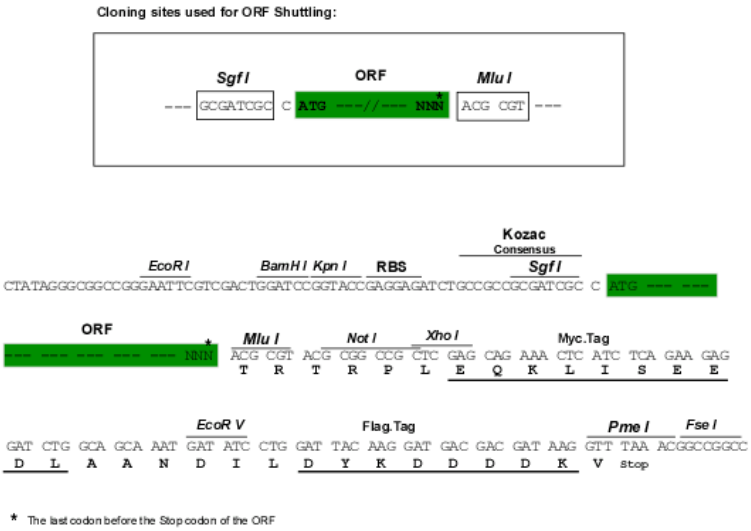
>RR216649 representing NM_001270800
Red=Cloning site Green=Tags(s)

MGNCHTVGPNEALVVSGGCCGSDYKQYVFGGWAWAWWCISDTQRISLEIMTLQPRCEDVETAEGVALTVT
GVAQVKIMTEKELLAVACEQFLGKNVQDIKNVVLQTLEGHLRSILGTLTVEQIYQDRDQFAKLVREVAAP
DVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDADIGVAEAERDAGIREAECKKEMLDVKFMADT
KIADSKRAFELQKSAFSEEVNIKTAEAQLAYELQGAREQQKIRQEEIEIEVVQRKKQIAVEAQEILRTDK
ELIATVRRPAEAEAHRIQQIAEGEKVKQVLLAQAEAEKIRKIGEAEAAVIEAMGKAEAERMKLKAEAYQK
YGDAAKMALVLEALPQIAAKISAPLTKVDEIVVLSGDNSKVTSEVNRLLAELPASVHALTGVDLSKIPLI
KNATGAQV

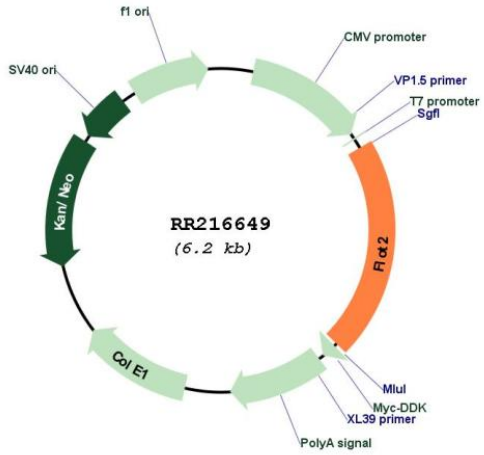
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001270800
ORF Size:	1284 bp
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:	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_001270800.1, NP_001257729.1
RefSeq Size:	2653 bp
RefSeq ORF:	1287 bp
Locus ID:	83764
UniProt ID:	Q9Z2S9
Cytogenetics:	10q25
MW:	47 kDa
Gene Summary:	colocalized with activated GPI-linked cell adhesion molecules at the plasma membrane where transmembrane signaling may occur [RGD, Feb 2006]