

Product datasheet for **MR229999**

Flot2 (NM_001284227) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flot2 (NM_001284227) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flot2
Synonyms:	A1573412; Esa; reggie-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR229999 representing NM_001284227
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAACTGCCACACGGTGGGCCCAACGAGGCGCTGGTGGTCTCAGGAGGCTGTTGTGGTTCTGACT
 ACAAACAGTATGTGTTTGGAGGCTGGGCTTGGCCCTGGTGGTGTATCTCGGACACTCAGAGCCTGAGACT
 GTGCTGGCCTGGGTGGTGGAAATACTGAGAGCACACACCGTGCAGCAGTATATCAGGCATCAGTGCTT
 ATCTGGATTTCCCTAGAGATTATGACGTTGCAGCCCCGCTGTGAGGACGTAGAGACGGCCGAGGGGTAG
 CTTTAACTGTGACGGGTGTGCGCCAGGTGAAGATCATGACGGAGAAGGAGCTCCTGGCTGTAGCCTGTGA
 ACAGTTCTGGGCAAGAAGCTACAGGACATTAAGAAGCTCGTGTGCAGACCTGGAGGGGCATCTACGC
 TCTATCCTAGGGACTCTGACTGTAGAACAGATTTATCAGGACCGAGACCAGTTTGCCAAGCTGGTGGGG
 AAGTGGCGGCCCGGATGTTGGCCGATGGGCATCGAGATCCTCAGCTTACCATCAAGGATGTTTATGA
 CAAAGTAGACTATCTGAGCTCCCTGGGCAAGACACAGACTGCTGTGGTGCAGAGAGATGCAGACATTGGT
 GTGGCAGAGGCAGAACGGGACGCAGGCATCCGGGAAGCTGAATGCAAGAAGGAGATGCTAGATGTGAAGT
 TCATGGCAGACACCAAGATCGCTGACTCTAAGAGAGCCTTTGAGCTTCAAAGTCAAGCTTCCAGCGAGGA
 AGTCAACATCAAGACAGCTGAGGCCAGTTGGCCTATGAGCTGCAAGGGGCCCGGAGCAACAGAAGATC
 CGGCAGGAAGAGATTGAGATTGAGGTCGTACAGCGCAAGAAGCAGATCGCCGTGGAGGCGCAGGAGATCC
 TCCGCACCGACAAGGAGCTATCGCCACCGTGCAGGCTGAGGCCACCGCATCCAGCA
 GATCGCTGAGGGCGAAAAGGTGAAACAAGTCTCTTGGCAACAAGCAGAAGCTGAGAAGATTGCAAAAATT
 GGAGAGGCAGAGGCAGCAGTCATTGAGGCAATGGCAAGGCCGAGGCTGAGCGGATGAAGCTTAAGGCTG
 AGGCCTACCAGAAGTATGGGGATGCAGCCAAGATGGCCTTGGTGTGGAGGCCCTGCCCCAGATTGCTGC
 CAAGATCTCCGCGCCCTGACTAAAGTCGATGAGATTGTGGTTCTCAGTGGGGACAACAGCAAGGTGACA
 TCAGAAGTAAACCGGCTGCTAGCAGAAGTCCAGCCTCTGTGCAGCCCTCACCGGTGTGGACCTTTCAA
 AGATACCCTGATCAAGAACGCCACTGGTGCACAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229999 representing NM_001284227
 Red=Cloning site Green=Tags(s)

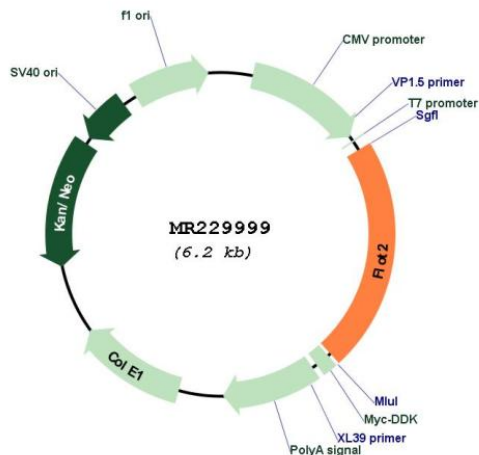
MGNCHTVGPNEALVVS GGCCGS DYKQYVFGWAWAWWCISDTQSLRRLCWPGWVEILRAPHRAAVYQASVL
 IWISLEIMTLQPRCEDVETAEGVALVTGVAQVKIMTEKELLAVACEQFLGKNVQDIKNVVLQTLEGHLR
 SILGTLTVEQIYQDRDQFAKLVREVAAPDVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDADIG
 VAEAERDAGIREAECKEMLDVKFMADTKIADSKRAFELQKSAFSEEVNIKTAEALAYELQGAREQQKI
 RQEEIEIEVVQRKKQIAVEAQEILRTDKELIATVRRPAEAEAHRIQQIAEGEKVKQVLLAQAEAEKIRKI
 GEAAEAIVIEAMGKAEERMKLA EAYQKYGDAAKMALVLEALPQIAAKISAPLTKVDEIVVLSGDNSKVT
 SEVNRLLAELPASVHALTGVDLSKIPLIKNATGAQV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001284227

ORF Size: 1368 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_001284227.2](#)

RefSeq Size: 2711 bp

RefSeq ORF: 1371 bp

Locus ID: 14252

UniProt ID: [Q60634](#)

Cytogenetics: 11 46.74 cM

MW: 50.7 kDa

Gene Summary: May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles. May be involved in epidermal cell adhesion and epidermal structure and function.[UniProtKB/Swiss-Prot Function]