

Product datasheet for **MG22238**

Flot2 (NM_001040403) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Flot2 (NM_001040403) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Flot2
Synonyms: A1573412; Esa; reggie-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG22238 representing NM_001040403
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGCAACTGCCACACGGTGGGCCCAACGAGGCGCTGGTGGTCTCAGGAGGCTGTTGTGGTTCTGACT
 ACAACAGTATGTGTTGGAGGCTGGGCTTGGCCTGGTGGTGTATCTCGGACACTCAGAGGATTTCCCT
 AGAGATTATGACGTTGCAGCCCCGCTGTGAGGACGTAGAGACGGCCGAGGGGTAGCTTTAACTGTGACG
 GGTGTCGCCCAGGTGAAGATCATGACGGAGAAGGAGCTCCTGGCTGTAGCCTGTGAACAGTTCCTGGGCA
 AGAACGTACAGGACATTAAGAACGTCGTGCTGCAGACCCTGGAGGGGCATCTACGCTCTATCCTAGGGAC
 TCTGACTGTAGAACAGATTTATCAGGACCAGACAGTTTGCCAAGCTGGTGCAGGAAAGTGGCGGCCCC
 GATGTTGGCCGATGGGCATCGAGATCCTCAGCTTACCATCAAGGATGTTTATGACAAAGTAGACTATC
 TGAGCTCCCTGGGCAAGACACAGACTGCTGTGGTGCAGAGAGATGCAGACATTGGTGTGGCAGAGGCAGA
 ACGGGACGCAGGCATCCGGGAAGCTGAATGCAAGAAGGAGATGCTAGATGTGAAGTTCAATGGCAGACACC
 AAGATCGTGACTCTAAGAGAGCCTTTGAGCTTCAAAGTCAGCCTTCAGCGAGGAAGTCAACATCAAGA
 CAGCTGAGGCCAGTTGGCCTATGAGCTGCAAGGGGCCCGGAGCAACAGAAGATCCGGCAGGAAGAGAT
 TGAGATTGAGGTCGTACAGCGCAAGAAGCAGATCGCCGTGGAGGGCAGGAGATCCTCCGCACCCGACAAG
 GAGCTCATCGCCACCGTGCAGCCCTGCAGAGGCTGAGGCCACCGCATCCAGCAGATCGCTGAGGGCG
 AAAAGGTGAAACAAGTCTCTTGGCACAAGCAGAAGCTGAGAAGATTGCGAAAATTGGAGAGGCAGAGGC
 AGCAGTCAATTGAGCAATGGGCAAGGCCGAGGCTGAGCGGATGAAGCTTAAGGCTGAGGCCTACCAGAAG
 TATGGGGATGCAGCAAGATGGCCTTGGTGTGGAGGCCCTGCCAGATTGCTGCCAAGATCTCCGCGC
 CCCTGACTAAAGTCGATGAGATTGTGGTCTCAGTGGGGACAACAGCAAGGTGACATCAGAAGTAAACCG
 GCTGCTAGCAGAACTGCCAGCCTCTGTGCACGCCCTACCGGTGTGGACCTTTCAAAGATACCCCTGATC
 AAGAACGCCACTGGTGCACAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG222238 representing NM_001040403
 Red=Cloning site Green=Tags(s)

MGNCHTVGPNEALVVS GCCGSDYKQYVFGGWAWAWWCISDTQRISLEIMTLQPRCEDVETAE GVALTVT
 GVAQVKIMTEKELLAVACEQFLGKNVQDIKNVVLQTLLEGHLRSILGTLTVEQIYQDRDQFAKL VREVAAP
 DVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDADIGVAEAEERDAGIREAECKEMLDVKFMADT
 KIAADSKRAFELQKSAFSEEVNIKTAEAQLAYELQGAREQQKIRQEEIEIEVVQRKKQIAVEAQEILRTDK
 ELIATVRRPAEAEAHRIQQIAEGEKVKVQLLAQAEAEKIRKIGEAEAAVIEAMGKAEERMKLKAEAYQK
 YGDAAKMALVLEALPQIAAKISAPLTKVDEIVVLSGDNSKVTSEVNRLLAELPASVHALTGVDLSKIPLI
 KNATGAQV

TRTRPLE - GFP Tag - V

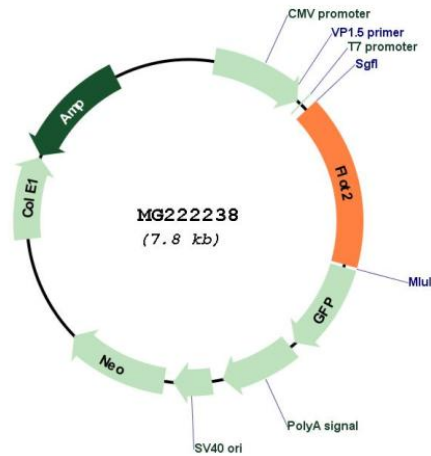
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001040403

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:	<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_001040403.2
RefSeq Size:	2627 bp
RefSeq ORF:	1287 bp
Locus ID:	14252
UniProt ID:	Q60634
Cytogenetics:	11 46.74 cM
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]