

Product datasheet for **MG205924**

Flot2 (NM_008028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flot2 (NM_008028) 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:	>MG205924 representing NM_008028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTTGCAGCCCCGCTGTGAGGACGTAGAGACGGCCGAGGGGTAGCTTTAACTGTGACGGGTGTCG
CCCAGGTGAAGATCATGACGGAGAAGGAGCTCCTGGCTGTATCCTGTGAACAGTTCCTGGCAAGAACGT
ACAGGACATTAAGAACGTCGTGCTGCAGACCCTGGAGGGCATCTACGCTCTATCCTAGGGACTCTGACT
GTAGAACAGATTTATCAGGACCGAGACCAGTTTGCCAAGCTGGTGCGGGAAGTGGCGCCCCCGATGTTG
GCCGATGGGCATCGAGATCCTCAGCTTACCATCAAGGATGTTTATGACAAAGTAGACTATCTGAGCTC
CCTGGGCAAGACACAGACTGCTGTGGTGCAGAGAGATGCAGACATTGGTGTGGCAGAGGCAGAACGGGAC
GCAGGCATCCGGGAAGCTGAATGCAAGAAGGAGATGCTAGATGTGAAGTTCATGGCAGACACCAAGATCG
CTGACTCTAAGAGAGCCTTTGAGCTTCAAAAGTCAGCCTTCAGCGAGGAAGTCAACATCAAGACAGCTGA
GGCCAGTTGGCCTATGAGCTGCAAGGGGCCCGGAGCAACAGAAGATCCGGCAGGAAGAGATTGAGATT
GAGGTCGTACAGCGCAAGAAGCAGATCGCCGTGGAGGCGCAGGAGATCCTCCGCACCGACAAGGAGCTCA
TCGCCACCGTGCGCCGCCCTGCAGAGGCTGAGGCCACCCGATCCAGCAGATCGCTGAGGGCGAAAAGGT
GAAACAAGTCTCTTGGCACAAGCAGAAGCTGAGAAGATTCGCAAAATTGGAGAGGCAGAGGCAGCAGTC
ATTGAGCAATGGCAAGGCCGAGGCTGAGCGGATGAAGCTTAAGCTGAGGCCTACCAGAAGTATGGGG
ATGCAGCCAAGATGGCCTTGGTGTGGAGGCCCTGCCCCAGATTGCTGCCAAGATCTCCGCGCCCTGAC
TAAAGTCGATGAGATTGTGGTTCTCAGTGGGGACAACAGCAAGGTGACATCAGAAGTAAACCGGCTGCTA
GCAGAAGTCCAGCCTCTGTGCACGCCCTCACCGGTGTGGACCTTCAAAGATACCCTGATCAAGAACG
CCACTGGTGCACAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205924 representing NM_008028
 Red=Cloning site Green=Tags(s)

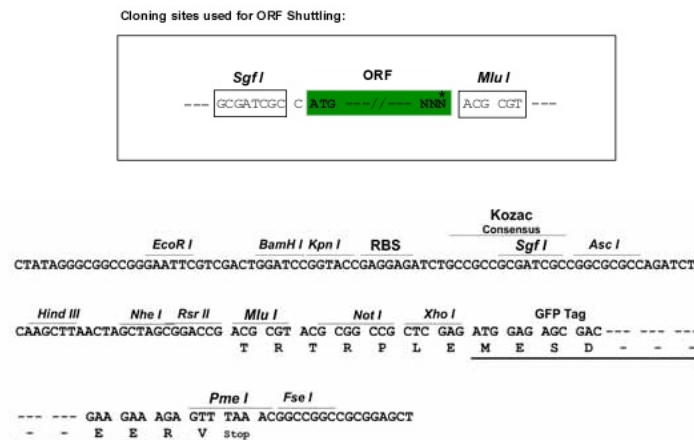
MTLQPRCEDVETAEGVALTVTGVAQVKIMTEKELLAVSCEQFLGKNVQDIKNVVLQTLEGLHRSILGTLT
 VEQIYQDRDQFAKLVREVAAPDVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDADIGVAEARD
 AGIREAECKKEMLDVKFMADTKIADSKRAFELQKSAFSEEVNIKTAEACLAYELQGAREQQKIRQEEIEI
 EVVQRKKQIAVEAQEILRTDKELIATVRRPAEAEAHRIQQIAEGEKVKQVLLAQAEAEKIRKIGEAEEAAV
 IEAMGKAEERMKLKAEAYQKYGDAAKMALVLEALPQIAAKISAPLTKVDEIVVLSGDNSKYTSEVNRL
 AELPASVHALTGVDLSKIPLIKNATGAQV

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1619_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008028

ORF Size: 1137 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_008028.2](#), [NP_032054.1](#)

RefSeq Size: 2718 bp

RefSeq ORF: 1140 bp

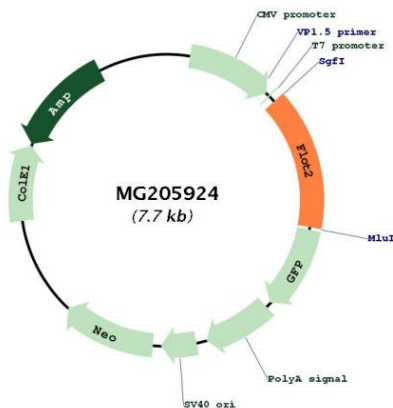
Locus ID: 14252

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]

Product images:



Circular map for MG205924