

Product datasheet for MR205924

Flot2 (NM_008028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flot2 (NM_008028) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flot2
Synonyms:	A1573412; Esa; reggie-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205924 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTTGCAGCCCGCTGTGAGGACGTAGAGACGGCCGAGGGGTAGCTTTAACTGTGACGGGTGTCG
CCCAGGTGAAGATCATGACGGAGAAGGAGCTCCTGGCTGTATCCTGTGAACAGTTCCTGGCAAGAACGT
ACAGGACATTAAGAACGTCGTGCTGCAGACCCTGGAGGGCATCTACGCTCTATCCTAGGGACTCTGACT
GTAGAACAGATTTATCAGGACCGAGACCAGTTTGCCAAGCTGGTGCGGGAAGTGGCGCCCCCGATGTTG
GCCGCATGGGCATCGAGATCCTCAGCTTACCATCAAGGATGTTTATGACAAAGTAGACTATCTGAGCTC
CCTGGGCAAGACACAGACTGCTGTGGTGCAGAGAGATGCAGACATTGGTGTGGCAGAGGCAGAACGGGAC
GCAGGCATCCGGGAAGCTGAATGCAAGAAGGAGATGCTAGATGTGAAGTTCATGGCAGACACCAAGATCG
CTGACTCTAAGAGAGCCTTTGAGCTTCAAAAGTCAGCCTCAGCGAGGAAGTCAACATCAAGACAGCTGA
GGCCAGTTGGCCTATGAGCTGCAAGGGGCCCGGAGCAACAGAAGATCCGGCAGGAAGAGATTGAGATT
GAGGTCGTACAGCGCAAGAAGCAGATCGCCGTGGAGGCGCAGGAGATCCTCCGCACCGACAAGGAGCTCA
TCGCCACCGTGCGCCGCCCTGCAGAGGCTGAGGCCACCCGATCCAGCAGATCGCTGAGGGCGAAAAGGT
GAAACAAGTCCTTTGGCACAAGCAGAAGCTGAGAAGATTGCAAAATTGGAGAGGCAGAGGCAGCAGTC
ATTGAGCAATGGCAAGGCCGAGGCTGAGCGGATGAAGCTTAAGGCTGAGGCCTACCAGAAGTATGGGG
ATGCAGCCAAGATGGCCTTGGTGTGGAGGCCCTGCCCAAGATTGCTGCCAAGATCTCCGCGCCCTGAC
TAAAGTCGATGAGATTGTGGTTCTCAGTGGGGACAACAGCAAGGTGACATCAGAAGTAAACCGGCTGCTA
GCAGAAGTCCAGCCTCTGTGCACGCCCTCACCAGTGTGGACCTTCAAAGATACCCTGATCAAGAAGC
CCTACTGGTGCACAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205924 protein sequence
 Red=Cloning site Green=Tags(s)

MTLQPRCEDVETAEGVALTVTGVAQVKIMTEKELLAVSCEQFLGKNVQDIKNVVLQTLEGHLRSILGLT
 VEQIYQDRDQF AKLVREVAAPDVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDADIGVAAERD
 AGIREAECKKEMLDVKFMADTKIADSKRAFELQKSAFSEEVNIKTAE AQLAYELQGAREQQKIRQEEIEI
 EVVQRKKQIAVEAQEILRTDKELIATVRRPAEAEAHRIQQIAEGEKVKQVLLAQAEAEKIRKIGEAEEAV
 IEAMGKAE AERMKLKAEAYQKYGDAAKMALVLEALPQIAAKISAPLTKVDEIVVLSGDNSKYTSEVNRL
 AELPASVHALTGVDLSKIPLIKNATGAQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008028

ORF Size: 1140 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_008028.1](#), [NM_008028.2](#), [NP_032054.1](#)

RefSeq Size: 2718 bp

RefSeq ORF: 1140 bp

Locus ID: 14252

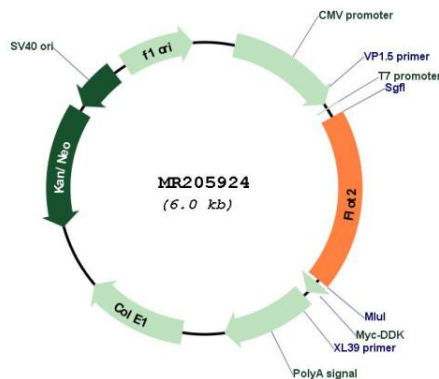
UniProt ID: [Q60634](#)

Cytogenetics: 11 46.74 cM

MW: 41.7 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]

Product images:



Circular map for MR205924