

Product datasheet for **RG200231**

Flotillin 1 (FLOT1) (NM_005803) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flotillin 1 (FLOT1) (NM_005803) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Flotillin 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200231 representing NM_005803 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTTCACTTGTGGCCAAATGAGGCCATGGTGGTCTCCGGTTCTGCCGAAGCCCCCAGTCATGG
TGGCTGGAGGGCGTGTCTTTGTCTGCCCTGCATCCAACAGATCCAGAGGATCTCTCTCAACACTGAC
CCTCAATGTCAAGAGTAAAAAGTTTACTCTGCCATGGGGTCCCATCTCAGTCACTGGCATTGCCAG
GTAAAAATCCAGGGGCAGAACAAAGGAGATGTTGGCGCCCGCTGTAGATGTTCCCTGGGAAGACGGAG
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GGAGGAGATCTATAAGGACAGGCAGAAATTCAGAACAGGTTTTCAAAGTGGCCTCCTCAGACCTGGTC
AACATGGGCATCAGTGTGGTTAGCTACTCTGAAGGACATTCACGATGACCAGGACTATTTGCACTCTT
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AAGGCACAGAGATTACGAACTGAAGAAGGCCGCTATGACATCGAGGTCAACACCCGCCGAGCACAGG
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GGTGGTGGAGCGGGCCAGCAGGTGGCAGTGCAGGAGCAGGAGATCGCCCGCGGGAAGGAGCTGGAG
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GCTGCTCAGCTGGACATGCTGCTAGAGAAGCTGCCCCAGGTGGCAGAGGAGATCAGTGGTCCCTTGACTT
CAGCCAATAAGATCACACTGGTGTCCAGCGGCAGTGGGACCATGGGGGCAGCCAAAGTACTGGGGAAGT
ACTGGACATTCTAACTCGCTGCCAGAGAGTGTGGAAAGACTCACAGGCGTGAGCATCTCCAGGTGAAT
CACAAGCCTTTGAGAACAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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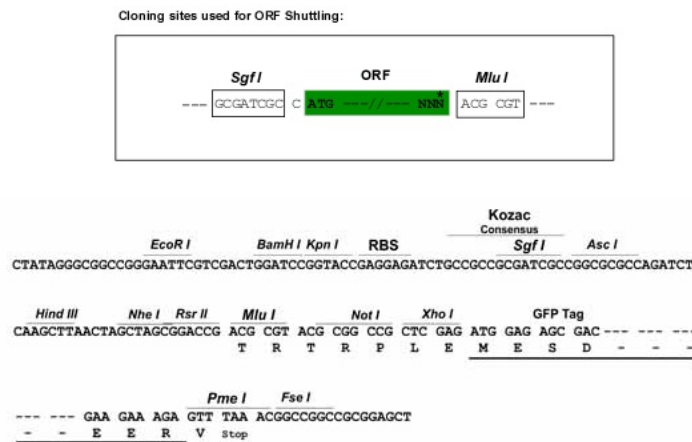
Protein Sequence: >RG200231 representing NM_005803
 Red=Cloning site Green=Tags(s)

MFFTCGPNEAMVVSFGFCRSPVMVAGGRVFLPCIQQIQRISLNTLTLNVKSEKVYTRHGVPI SVTGIAQ
 VKIQGQNKEMLAACQMFLGKTEAEIAHIALETLEGHQRAIMAHMTVEE IYKDRQKFSEQVFKVASSDLV
 NMGISVVSYTLKDIHDDQDYLHSLGKARTAQVQKDARIGEAEAKRDAGIREAKAKQEKVSAQYLSEIEMA
 KAQRDYELKKAAYDIEVNTRRAQADLAYQLQVAKTKQIEEQRVQVQVVERAQQVAVQEIEARREKELE
 ARVRKPAAEAERYKLERLAEAEKSQLIMQAEAEAAASVRMRGEAEAF AIGARARAEAEQMAKKAQVAVQV
 AAQLDMLLEKLPQVAEEISGPLTSANKITLVSSSGSGTMGAAKVTGEVLDILTRLPE SVERLTGVSISQVN
 HKPLRTA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005803

ORF Size: 1281 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_005803.4](#)

RefSeq Size: 1839 bp

RefSeq ORF: 1284 bp

Locus ID: 10211

UniProt ID: [O75955](#)

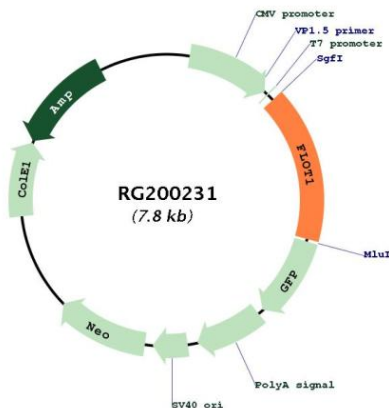
Cytogenetics: 6p21.33

Domains: Band_7, Flotillin

Protein Pathways: Insulin signaling pathway

Gene Summary: This gene encodes an protein that localizes to the caveolae, which are small domains on the inner cell membranes. This protein plays a role in vesicle trafficking and cell morphology. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG200231