

Product datasheet for **RG201378**

MALL (NM_005434) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MALL (NM_005434) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MALL
Synonyms: BENE
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201378 representing NM_005434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCGCCGACCCGCCGCCACCAGCTACGCCCGTCCGACGTGCCCTCGGGGTCGCGCTGTTCC
 TCACCATCCCTTCGCCTTCTTCTGCCGAGCTGATATTTGGTTCTTGGTCTGGACCATGGTAGCCGC
 CACCCACATAGTATACCCTTGCTGCAAGGATGGGTGATGTATGTCTCGCTCACCTCGTTTCTCATCTCC
 TTGATGTTCTGTGTCTTACTGTTTGGATTTACAAAAGATTTGAATCCTGGAGATTCTGGACAGCC
 TGTACCACGGGACCACTGGCATCCTGTACATGAGCGCTGCCGTCTACAAGTACATGCCAGATTGTTTC
 TGAGAAACTGCTGGACCAAGAATTTACTACATTAATTCGGCAGCCTCGTTCTTCGCCTTCATCGCCACG
 CTGCTCTACATTCTCCATGCCTTCACTATTACCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201378 representing NM_005434
 Red=Cloning site Green=Tags(s)

MASPDPPATSYAPSDVPSGVALFLTIPFAFFLPELIFGFLVWTMVAATHIVYPLLQGWVMYVSLTSFLIS
 LMFLLSYLFYKRFESWRVLDLSLHGTTGILYMSAAVLQVHATIVSEKLLDPRIYYINSAASFFAFIAT
 LLYILHAFSIYYH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_005434

ORF Size: 459 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_005434.5](#)

RefSeq Size: 2575 bp

RefSeq ORF: 462 bp

Locus ID: 7851

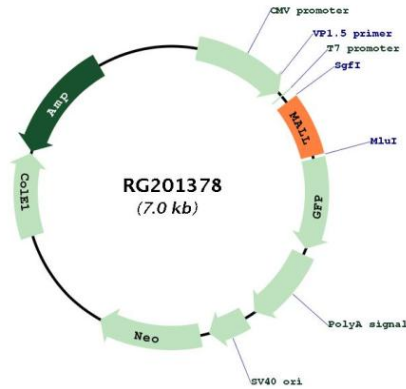
UniProt ID: [Q13021](#)

Cytogenetics: 2q13

Protein Families: Transmembrane

Gene Summary: This gene encodes an element of the machinery for raft-mediated trafficking in endothelial cells. The encoded protein, a member of the MAL proteolipid family, predominantly localizes in glycolipid- and cholesterol-enriched membrane (GEM) rafts. It interacts with caveolin-1. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201378