

## Product datasheet for **SC104355**

### **MALL (AK056616) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MALL (AK056616) Human Untagged Clone
Tag:	Tag Free
Symbol:	MALL
Synonyms:	BENE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104355 sequence for AK056616 edited (data generated by NextGen Sequencing) ATGGCCTCGCCCGACCCGCCGCCACCAGCTACGCCCCGTCGACGTGCCCTCGGGGGTC GCGCTGTTCCCTCACCATCCCTTTTCGCCTTCTTCTGCCCCGAGCTGATATTTGGGTTCTTG GTCTGGACCATGGTAGCCGCCACCCACATAGTATACCCCTTGCTGCAAGGATGGGTGATG TATGTCTCGTCACTCGTTTCTCATCTCCTTGATGTTCTGTTGTCTTATTTGTTTGA TTTTACAAAAGATTTGAATCCTGGAGAGTTCTGGACAGCCTGTACCACGGGACCACTGGC ATCCTGTACATGAGCGCTGCCGTCCTACAAGTACATGCCACGATTGTTTCTGAGAACTG CTGGACCCAAGAATTTACTACATTAATTCGGCAGCCTCGTTCTTCGCCTTCATGCCACG CTGCTCTACATTCTCCATGCCTTCAGCATCTATTACCACTGA  Clone variation with respect to AK056616.1 231 c=>t;434 c=>t



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AK056616 unedited  TATCCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC  AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG  AATTCCGGCAGGAGGGCTCATTGTTGGTCTCAGTACGCAGCCCTCGTAGCCAAGCAGCTT  GGGCCTACACTCTGGGCCAGGGGAGTGGCTGTCGCTGGCATCCCCTGGAATAACATGCT  CCGGGGGTCAAAGATTCCTTAGCTGAAAAGTCTAGGAGGAGACTCCCCTCTGCTCCCT  CCTGCACCAGCGCTGTGCCCCCGCCGGCCAGGCAGAGCCATCCGATGCCGCTGGGCCGC  CCTACTGAGGATCTGCTGGCTGCAGCGAGTGAAGGACCTGCTCGGCTGGAACGTTTTTTTT  TTTTTTTTCCCTCCCAGGCGACGTCCGATGGGTGTGTCGGGCAGGAGGTGATATTGACA  GGCTGCGCGGGGCGAGCTGCCGCGGAGCACCCGGCAGGGGCTGACAGCATGGCCTCGCC  CGACCCGCGCCACCAGCTACGCCCGTCCGACGTGCCCTCGGGGTGCGGCTGTTCTCT  CACCATCCCTTTCGCTTCTTCTGCCCCGAGCTGATATTTGGTCTTGGTCTGGACCAT  GGTAGCCGCCACCACATAGTATACCCCTTGCTGCAAGGATGGGTGATGTATGCTCGCT  CACCTCGTTNCTCATCTCCTTGATGTTCTGTTGGCTATTTGGTGGGATTTTACAAA  GATTTGAAATCCTGGAGAGNTCTTGGACAGNCTGTACCACGGNGACCACTGGCATCCTGT  ACATGAGCGCTGCCGTCTACAAGTACATGCCACGATTGTTNCTGAAAACGCTGGACCC  AGAAATTAACATTANTCCGGCAGCCTCGTTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AK056616 unedited  NNNGGGTACGACTATGNNACCGCGCCGAATCTAGNGATCGATTTTTTTTTTTTTTTTTT  TTTTTTTTTTTTTTTTTTTTTTTTTTTACCAAACAACCTTTATTTGCATGGGGCTACTTAGT  AAATAGTAATCAGTGATCATCTAAACAGCTGCCAGGCAACAAAAGGAGAGACACATAGA  AGCTTTGCAAGGTATCAGGTTGCAAAAAAAAAAAAAAAAAAGTTTCAGAGTGATCAAAAAG  TGAGCAGTGAGCAGTAGTGAAGCCAGAATTTCTTTCCCATGACTCCTGTAGTTCTGTCC  CTGTCCCCGCAAACCCAGGAGGGGAAAAATGTAGATACAAAACGTAAGGCCTCAAACC  AGTTAGGACAAGTCCCTTCTCGTAATAATTTATTTTCATTCCCAATGACAAAAGGCACGT  GCAGTTACAGGGCTGTGCCCTATTCGTCTGGGTCAACAAAAAGCACAGCTTTCTTTAAA  AAAACATTTACTTTAAAACCAAGCACCTTGATTTGATATTTTAGGGGGCACAACTTTGCC  CGTTGAGTCTCTGGTGAAGCCTTGCCCAACCCCGTGGGCACCACCATTCCGCCAGGCCTC  GGAGGGCCACCGGTGCTTAAAAAATGTAGGGGGGTGAATGCAAGTGGCCCAACCCGG  TTCTCTGGGAAATGGGGCCCTTCACTCCTCGTGAGATGGTGCAGCAGCCTTTTTTTCCAA  TGCGGTTGTGGCAGGAGAATCCCCGGATGTAATGTTTACCCCTTTTTCTGAGGGGCTTT  CTGAGGAACAGTCTTAAAAGTGGGGCCTTGAATTCTGACCAAGCGTTCGAAATTGTT  AAATTTCCGAATGGCGAACTCTTGGGGGAGAAGTTATCCCTTTCTCCCATTTCCAC  CCTTAG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK056616
<b>Insert Size:</b>	2800 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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:** [AK056616.1](#), [BAG51765.1](#)

**RefSeq Size:** 2270 bp

**RefSeq ORF:** 462 bp

**Locus ID:** 7851

**Cytogenetics:** 2q13

**Domains:** MARVEL

**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]