

## Product datasheet for **MC203759**

### Mal (NM\_010762) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mal (NM_010762) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mal
Synonyms:	Mpv17; VI; Vip17
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC006826  
 GTCAGTGCCGAGCCGGAGGCGAGCGTGTCCAGTCCCAAGGCCGACGCCAGCTCGCAGGCATGGCTCCGGC  
 AGCGGCTTCGGGTGGCAGCACCCCTGCCAGTGGCTTCTCGGTCTTACCACCTTCCCTGACTTGCTCTTC  
 GTTTGTGAGTTTGTCTTTGGAGGCTGGTGTGGATCCTGATTGCCTCCTCCCTGGTACCCTTGCCCTGG  
 CCCAGGCTGGGTGATGTTTGTGTCTGTGTTCTGCTTTGTGGCCACCCTCCCTGATGATCTTGTACAT  
 AATTGGTACTCATGGCGGTGAGACTTCTGGATCACACTGGATGCAGCCTACCCTGCTGTGGCTGCCCTA  
 TTTTACCTCAGTGCCTCAGTTCTGGAAGCCCTGGCCACCCTCAATGTTTGTGATGGCTTTACTTACAAGC  
 ATTACCATGAAAACATCGCCGAGTGGTGTGGCTACGTGGTCACTCTGATCTACGTGGTCCATGCTGT  
 GTTTTCTTAATCAGATGGAAGTCTTCATAGGACAGCAGATCGGGAGCTGAGACCAGATGCAATTAAC  
 GGTGAGCCCATCTTCCCATTAACCTTCTAGAACACAGACTGGATGGTGGAGAAAAGAAAACAAGCCAAA  
 AAGAAAACAAAACAAAACAAAAACAAAAGGAAGCCATATTCAAGCCATATTCGCGTCTCTTGGGTGTTA  
 TGTTTACCTTCTGTCAAGGTTTAGGGCTTGCTATATTTAACTTCTAGCTAAGGGAGGAAGGAGTTGTCTT  
 GGAAGGGGACCTTTTCCCTTGACCGGGACAGTTGGTGGAACTGGGAACCTTGATCTGAAGAAATGAC  
 GATTTACACTTGACCCTTGAAGTATGCCTAAGAAATTTGCCTCTTGAATTTTTAAGGGCTCTTTGAG  
 CACTCATCCCCTGGCATGTCTTAGTCTTTGTGAATAGTCTGGGTGCACAGGCACTGAAATTCACCCAAC  
 AGAGGTCTCCGGACGTTACAGTGGAGATGAGCTCCTTTGAAATGCTTCATTAATACTTTTGTGTCTC  
 ATGCTTACAGTGGGAACTGGAGGGATGTCTTTCATTCTTGAAGACCAGGGACACCTTCTGTTCAACTT  
 TCTTCTGCAGAGTCTTTGATTAACCTGATTCTCAAGGGACAGTTTCCAGATGTGTGTGCTGGGCCAGTCT  
 TTCCCAAAGTGACTCACTGAGGACGCCACCCTCACAACAGTGTCCACCAGGATAGCGTCTCCCTGTAGA  
 CACATCCCGTAGAGCTCTGCCTTTGTCTTTCAAGGCACAACAGTCTGCTGAATTAGAGTCTTCTCAAGCT  
 CTGAGGAACTAGGTGTGGGCATTTCTTCTATTCTTAAGGCTGATCTAAAATGTCGGGTGTCTGCAGTC  
 TCTTGATGTGTTTGGACATGTTCTCAGACCACTCCTTGTGGGAGAAAGGGACCTGACTTAGAGCAAAGT  
 GAGAGGCAATGGCTATCTCTGGCTGCCACACTCCAGGTGAGGGATGTCTGACCTGAAAGAAGAAAGTATA  
 ATTAGGAAGGACATGGAGAATCTGCAAAGTCAGACGTTCTGCTAGGAGATCTCACTTTGTCGCCCACTT  
 TAAAGAACTGAGTGACATCCTAGAGATGGAGTCCAGATGCAGGGATGTCTGCCAGCCACCAGGAGATT  
 CAGGATTTAGCCTCAGTCACTTTCACTAGCTGATGTTTTATTCTCAAACAAAGTAGGAGATTGAGACC  
 TACAACAAATAGATTTGGGGATTTTTCTATGTTGGTTCTCAGGATGGAACCCAGGGGTTTGCATGCT  
 GGGTAAGCACTTCTACCAGATCCCATCATCAGCCCCAAATGGATCTCACTGGCACATTCAGAAGGAC  
 TTTGGTTATCCCAGCCATACTGGTATCTGAATTCACCATTTGCCCACTTAACACAGCCAAAATTTTCATAC  
 TAAAACACAAGCAAAAGATTAGGGGGAGTTATTTTTAAAAATTAATAAACTAAGAGATTATACAAA  
 GTTTATTATAATGTTTAAACAAAATCTGTAAGTACTGAGTGTGACTGGGGTAGTCTTATACTTTCAACAAAGC  
 TGAACCCTAACATTACACTAACCAGCAGCTCAACACGAGTGAAGCATCACTTTTAGACAAGAAGAAGAAAG  
 AGATGAAGGAAGGAAGAAAAGAGGCAAGGAAGGGTGAATAAGAGGAATTGCCCAAGGTTTCTCAATGTTT  
 CAGATTTTTAATCATTAAAAGAACTTTTCATACAAAAAAGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_010762

**Insert Size:** 462 bp

**OTI Disclaimer:** 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).

**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:** [BC006826](#), [AAH06826](#)

**RefSeq Size:** 2294 bp

**RefSeq ORF:** 462 bp

**Locus ID:** 17153

**UniProt ID:** [O09198](#)

**Cytogenetics:** 2 F1

**Gene Summary:** This gene encodes a highly hydrophobic integral membrane protein belonging to the MAL family of proteolipids. The encoded protein has been localized to the endoplasmic reticulum of T-cells and is a candidate linker protein in T-cell signal transduction. In addition, this proteolipid is localized in compact myelin of cells in the nervous system and has been implicated in myelin biogenesis and/or function. The protein plays a role in the formation, stabilization and maintenance of glycosphingolipid-enriched membrane microdomains. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).