

Product datasheet for MC212120

Mal2 (NM_178920) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mal2 (NM_178920) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mal2
Synonyms:	AI461653
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212120 representing NM_178920 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCGGCCGGCGGAGCAGTCCCGCCGCCCGAACCCTGCCGTGTCCTTCCGGCGCCCGGGTCACCC
TGCCCGCTGGCCCGACATCCTAAGGACGTAATCCGGAGCTTTCGTCTGTCTGGAGATTGTGCTTGGAGG
ACTTGTCTGGATTTTGGTTGCTTCTCAATGTTCTCTACCTCTGCTCCAAGGATGGGTCATGTTTGTG
TCGGTGACAGCTTCTTCTTTTCGCTTCTTCTCTGGGCTTGTCTCTCTGGTATGGTGACTCAGATTG
ATGCCAACTGGAATTCCTGGATTTTGTCTACCATTTTCATAGTCTTGTCTCTACTTCCGAGCGTTTTT
ACTGGAAGCAGCGCCACCTCCCTGCATGACCTTCAGTGCAACACAACCATGACTGTGAAGCCACTACTC
AACGACAACAGTATAACATCAACGTGGCCGCCACAGTTTTTGCCTTCATGACAACAGCTTGTATGGTT
GCAGTTTGGGTCTGGCTTTGCGAAGATGGCGACCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_178920
Insert Size:	528 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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_178920.4 , NP_849251.1
RefSeq Size:	2775 bp
RefSeq ORF:	528 bp
Locus ID:	105853
UniProt ID:	Q8BI08
Cytogenetics:	15 D1
Gene Summary:	Member of the machinery of polarized transport. Required for the indirect transcytotic route at the step of the egress of the transcytosing cargo from perinuclear endosomes in order for it to travel to the apical surface via a raft-dependent pathway (By similarity).[UniProtKB/Swiss-Prot Function]