

Product datasheet for **MC221898**

Malt1 (NM_172833) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Malt1 (NM_172833) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Malt1
Synonyms:	A630046N12; D430033E09Rik; Pcaspl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221898 representing NM_172833
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGCTGTGGGGCAGCCGCTGCAGGCCTCACCTCCCTGGCCGTGCGGCAGCCCCCTACCGCTCCT
 CGGGACCTTCGACCTCCCTCCAGCCGGCGCAACCCTCAACCGCTGCCGAGCCGCTGCTGCGGAGGCT
 CAGCGAGAGCTTGGACCGCTCCGAGGGCCGGGCTGGCGGCAGCTGGCCGAGCTGGCCGGCAGTCGG
 GGACGCCTCCGGCTCAGTGGCCTGGACCTGGAACAGTGTCTCTTAAAGTATTGGAGCCAGAGGGAAGCC
 CAAGTTTGTGTTATTGAACTAATGGGTGAAAAAGGATGTACAGTACAGAACTGAGCGACTTCTTACA
 GGCTTTGGAGCACACTGAGGTTCTCCGCTTCTCAACCCCGAGGATTAAGATCACTGTAACCCAGAA
 TCCAAGGCAGTGTGGCTGGACAGTTTGTAAACTGTGCTGCCGGCACTGGACATCTTTTGTACAAT
 ATCAATGGTTCAAATGAATAAAGAGATCCCATATGGAATTCATCAGAAGTGTGTTTTAACACAGTGCA
 TGTAAGATGCAGGCTTTATGTCTGCCGGTTAACAACAGTCCACTTTTGAATTTAGCCAGTGGTCA
 CAGCTGGATGTGTGTATGTGGCAGAAGTAACAGACAGCTCCAGGGAAGTATGGATGGCATCTCAGAAT
 CCAGGTTGCAATCTGTGTTGAACCAAGGTCCAAAGGCTGGTGCCAGGCAGCATGTTGTTGTACAGTG
 GTTTGCTATTGGAAGTCCATATGCCTCACTACAGTGGTTAAAGATGAATCACCATTAACACATGAGACA
 AAAAGCACTACACGGTCCATATGTGGATATAGAACAAGGAACCTACTGGTGTATGTATATAATG
 ACCGAGACAGTCAAGATAGCAAGAAGGCAGAAGTACCATAGATGAATTAACAATTTGGGGCATCTGA
 TAATAAAGAACAACCTGGCCAGCCTTTGGCAAAGGACAAAGTCCGCTTTTGATAGGGAATATGATTAC
 TGGGAGCATCCCAAGCTTAAAGCGCCTTGGTGGATGTGTATGAATTGACCAACTACTAAGACAAGTAG
 ATTTCAAAGTTGCTCACTGTTGGACCTTACTGAATATGAGATGTGTAACGCTGTGGATGAATTTTACT
 ACTTTTAGACAAAAGGAGTATATGGATTGTTATATTATGCAGGGCACGGTTATGAAAACCTTTGAAAACAGT
 TTCATGGTCCCTGTTGATGCTCCAAATCCATATAGGTCTGAAAATTGCCTATGCGTACAAAAACTACTGA
 AATTAATGCAAGAAAAGGAGACTGGCCTGAATGTTCCTGTTGGATATGTGCGAAAAGAAATGACTA
 CGATGATACCATCCAATCTGGACGCACTGAAAGTCACTGCCAACATTGTGTTGGATATGCCACGTGC
 CAAGGAGCAGAAGCCTTTGAAATCCAGCATTCTGGGTTGGCAAATGGGATTTTTATGAAATTTTTAAAG
 ATAGATTATTAGAAGACAAGAAATTAAGTGTACTGGATGAAGTGCAGAAGATATGGGTAATGTCA
 CCTTACCAAAGGCAGACAAGCTTAGAGATTTCGAGCAGCTTGTCTGAAAAGAGAGCACTACTGATCCA
 GTCCAGGAGCACCTTGTCTGCAGAGGCTCTGGTGCGAATCTACAGTGGGCAAGGCTCATGAACTTC
 CAGAAAGTATGTCCCTAAATTTCAAGTGTGGCCTCACATTCAATTAGGATTTGCCGAGAGTCTCCAA
 TGTCATGATAATCTACACAAGTATAGTCCACAAACCACCTGAGATAATAATGTGTGACGCCTATGTTACT
 GATTTCCCTCTTGACCTAGATATTGATCCAAAACATGCAAAACAGGGGACTCCTGAAGAACTGGCAGCT
 ACTTAGTATCAAAAGACCTTCCCAAGCACTGCCTTACACTAGACTCAGCTCACTACAAAATTAAGGA
 ACATCTGATCTTACAGTCTGTCTGTCTATCAGTATTCAGGACTAGAAGCACTGTGGAGGAGAAGCAG
 GAGGTGAACGTGGGAAGCCTCTATTGCCAAGCTAGACATGCACCGAGGACTGGCAGGAAGACTTGCT
 TCCAAGCTTGTGATGCCTGACGAGCCGTACCACAGCTCCACATCTACCTCAGCGGGAGCGGGCATT
 CCATTCCTCTCAGGACTCATTCCATGATGTGTACCATTACATCTTGGCAATGCAGACAGTGGTATGCCA
 CCAGACAGGTGTCATTGCAGCCGACTCCACACACATTCAATTTCAAATTAATCCCCCACCACACTACTGCC
 AGTTTGGTAGAAGTAAATGTCCCGTAGAGACAAGTATGAAATGCCATTAGTTTTCTGACAGGCTTAT
 GATTTCTGAAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172833
Insert Size: 2466 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:	<ol style="list-style-type: none">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_172833.2 , NP_766421.1
RefSeq Size:	5008 bp
RefSeq ORF:	2466 bp
Locus ID:	240354
UniProt ID:	Q2TBA3
Cytogenetics:	18 E1
Gene Summary:	Enhances BCL10-induced activation of NF-kappa-B. Involved in nuclear export of BCL10. Binds to TRAF6, inducing TRAF6 oligomerization and activation of its ligase activity. Has ubiquitin ligase activity (By similarity). MALT1-dependent BCL10 cleavage plays an important role in T-cell antigen receptor-induced integrin adhesion (By similarity). Involved in the induction of T helper 17 cells (Th17) differentiation. Cleaves RC3H1 and ZC3H12A in response to T-cell receptor (TCR) stimulation which releases their cooperatively repressed targets to promote Th17 cell differentiation (PubMed:25282160).[UniProtKB/Swiss-Prot Function]