

## Product datasheet for **MC200166**

### Magt1 (NM\_025952) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Magt1 (NM\_025952) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Magt1  
**Synonyms:** 2410001C15Rik; 2610529C04Rik; 2810482I07Rik; IAG2; IAP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC003881 sequence for NM\_025952  
 GCCGCCAAGAGAGAAGCGTGAACATGGCCTCGCCAAGGTGGTTCTGGTCTGTGTGTGCGATCGCAGCGGT  
 GGCACCTGCTGCTGTTTCCAAGTTCTTCGGCCTCTGCCAAAGAAAGAAGGAGATGGTGTATCTGAG  
 AAGGTTAGTCAGCTGATGGAATGGGCCAATAAGAGACCTGTAATAAGAATGAATGGAGACAAGTTCCGCTC  
 GTCTTGTAAAGCTCCACCGAGAAATTACTCAGTTGTCGTCATGTTTACTGCTCTCCAACCTCATAGACA  
 ATGTGTCGTTTGAAGCAAGCTGATGAAGAATTCAGATTTTGGCAAATCTTGGCGATACTCCAATGCA  
 TTTACCAACAGGATATTTTTGGCCATGGTGGATTTTGTGAAGGCTCAGATGATTTCAAATGCTAAACA  
 TGAATTCAGTCCAACCTTCATCAACTTTCCTCCGAAAGGAAAACCCAAAAGGGCTGATACATATGAGTT  
 GCAGGTGCGAGGGTTTTAGCTGAGCAGATTGCCCGTGGATTGCAGACAGAACTGATGTCAACATTAGA  
 GTAATTAGACCTCAAATATGCTGGACCCTAATGTTGGGACTGCTGCTGGCTGTTATTGGTGGACTTG  
 TGTATCTGCGAAGAAGCAATATGGAGTTCCTCTTAATAAAACTGGATGGGCTTTTGCAGCTTTGTGTTT  
 TGTAATGCTATGACATCTGGCCAAATGTGGAACCATATAAGAGGACCACCATATGCTCATAAAAATCCC  
 CACACAGGACACGTGAATTACATCCACGGGAGCAGCCAGGCCAGTTTGTAGCTGAAACCCACATCGTTC  
 TTCTATTCAATGGTGGGGTTACCTTAGGAATGGTCTTTTATGTGAAGCTGCTACCTCTGACATGGATAT  
 TGGGAAGCGAAGGATGATGTGATTGCTGGGATTGGACTCGTTGTGTTATTCTTCAGTTGGATGCTCTCT  
 ATCTTTGATCAAAAACCATGGCTATCCATACAGCTTTCTGATGAGTTAAAGAGGATCCAGAGAAAACA  
 TTGACACTGATGTGTGCTTTACAGACCTTTCCTCTTGGGCCAGGTATCATATACACTGTGTCATCTG  
 AAAATGGACCGTGTGCTTTGGAAAGATACATGCTTCTCTGTGCTTTCCACCTGAAATCAGCTACATA  
 TATGCCCTCTTTACACATTCAGAAGTACCTCTAACTAAAGACTATGATTTGTCATGAGTGTGCTATAA  
 CTACCTTGACATGGAAAGATTTCTCATTCTGTTTCTAGTTTTATTTAAAGTAGCCCTTCTTAACAATA  
 ATAGTTTCTTGCTAAAAATCAGTATAAATATAAATGGTCTCAAATGTTTGTGAAGTTACGCATTGTTA  
 TTGATTTCTATTCTATGTAAACAGAAAAAATAGCTGAGTTGTGTTTATGGAAGGACTCCCTTAGAAGAAT  
 GAGAAAACACAATCATGAAATACTGATTTGTTGCTAGGTACAGAAATGAAATGGTTTGGCAGGCTGTGG  
 TAGATGAAGGCTGAGCTCTGTGAGTTTGTGGTACAGCTGGGCTACATAGTGAACCTGTATCCAGGGAA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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ACCN:	NM_025952
Insert Size:	1008 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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">BC003881</a> , <a href="#">AAH03881</a>
RefSeq Size:	1624 bp
RefSeq ORF:	1008 bp
Locus ID:	67075
UniProt ID:	<a href="#">Q9CQY5</a>
Cytogenetics:	X D
Gene Summary:	<p>Acts as accessory component of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. Involved in N-glycosylation of STT3B-dependent substrates. Specifically required for the glycosylation of a subset of acceptor sites that are near cysteine residues; in this function seems to act redundantly with TUSC3. In its oxidized form proposed to form transient mixed disulfides with a glycoprotein substrate to facilitate access of STT3B to the unmodified acceptor site. Has also oxidoreductase-independent functions in the STT3B-containing OST complex possibly involving substrate recognition.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. CCDS Note: The coding region has been updated to start at a downstream in-frame start codon that is supported by transcript and conservation data.</p>