

Product datasheet for **MC217956**

Man2a2 (BC055006) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2a2 (BC055006) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Man2a2
Synonyms:	1700052O22Rik; 4931438M07Rik; AI480988; Man IIx; MX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC055006
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGATGACAGCCGTGTAAGCCATGATGCCTGCCGAGCGCACGGTGATCCGGCTGGACTCCTCACCCA
GGTTTGTGGTGGTATTTAACCCGCTGGAACAGGAGCGGCTCAGTGTGGTGTCCCTGCTGGTCAACTCGCC
CCGGGTGCGCGTCTTTTCAGAGGAGGGCCAGCCCTGTCTGTGCAGATCAGTGTGCACTGGAGCTCGGCT
ACGGACATGGTCCCTGATGTCTACCAGGTGTAGTACCCGTCGCTGCCAGGCTGGGCTGGGTGTGC
TGCAGCTGCAGCCAGATCTCGATGGGCCCTACACGCTGCAGTCTTCCGTGCGGGTCTACCTGAACGGCGT
GAAACTGTCCGTGAGCAGGCAGTACGATTCCCTGTCCGTGTTGTGGACTCCGGCCAGCGACTTCGCC
ATCAGCAATCGCTACATGCAGGTCTGGTCTCCGGCCTACTGGGCTTCTCAAGAGCATCCGACGGGTGG
ATGAGGAGCAGGAGCAGCAGATGGAAGTGGAGTTCCTCGTCTACGGCACCCTACCTCCAAGGACAAGAG
TGGCCCTACCTCTTCTGCCTGATAGCGAGGCTAAGCCCTACGTCCTAAGAACTCCTGTGCTGCGT
GTACCCGAAGGCCCTTTCTTCTCAGAGGTGGCTGTGACTATGAGCACTTCACCAAGTGATTCCGACTTT
ATAACCTGCCAGGGGTAGAGGGGCTGTCTCTGGACATGTCATTCCAGGTAGATATCAGGGACTATGTGAA
CAAGGAAGTGGCCCTGCGCATCCACACAGACATTGACAGCCAGGGCACTTTCTTACAGACCTCAATGGC
TTTCAGATACAGCCCCGGCAGTATCTGAAGAAGCTGCCCTGCAGGCTAATTTCTACCCTATGCCAGTCA
TGGCCTATATCCAAGATTCAGAGGGCCCTCACGCTGCACACTGCCAGGCTCTGGGTGTCTCCAGCCT
CGGTAATGGCCAGCTGGAGGTGATCTTGGACCGAAGGCTAATGCAGGATGACAACCGGGGACTAGGCCAA
GGGCTCAAAGACAACAAGATCACCTGCAACCGTTCCGCTCCTGTTAGAAGCTCGGACCACAATGAGCC
CAGAGGTGCATCAGGAGCAGGAGCGTTCTACAAGCTACCCGTCCTCCTCAGCCACTGACATCCATGTA
CCTCAGCACACCTCCTTGTCTTACCCGTGGCCAAGAGGCAGGGCACTAGCCCTGCTCTGCGCTCTTTC
CACCCCTCTGGCTTCTCCATTGCCCTGTGACTTCCATTTGCTCAATCTGCGCATGCTCCAGCCGAGGACA
CCTTGCCCGCAACTGACTCTGCGCTCATCTTACCCGCAAGGGGTTTACTGTGGCCTTGAAGCCAAGAA
CCTGGGCTTCAACTGTACCACAAGCCAAGCAAGCTAGCCCTGGGGAGCCTTCCATGGCCTGGATGTG
ACCTTCTGCAGCCAACCTCCTTGACTTTGCTATACCCTCTGGCCTCACCTTCCAACAGCACTGACATCT
CTCTGGAGCCCATGGAGATCAGCACCTCCGCTGCGCTTGGGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC055006

Insert Size: 1587 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: [BC055006](#), [AAH55006](#)

RefSeq Size: 4659 bp

RefSeq ORF: 1586 bp

Locus ID: 140481

Cytogenetics: 7 D2

Gene Summary: Catalyzes the first committed step in the biosynthesis of complex N-glycans. It controls conversion of high mannose to complex N-glycans; the final hydrolytic step in the N-glycan maturation pathway (By similarity).[UniProtKB/Swiss-Prot Function]