

Product datasheet for **MC220160**

Man1a (NM_008548) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man1a (NM_008548) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Man1a
Synonyms:	Man1a1; PCR1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220160 representing NM_008548
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCGTGGGGGCTGTTGCCCTCTTCAGTAGCCCTGGGGCGCGCCTGGCAGTGGCCTGGGCG
 GGGGCTTGGCGCGGGAGGAAGGGTCTGGCCCGCTGCCTCCGCCTACCGAGAAGTTCGTGCTGCT
 GCTGGTGTTCAGCGCCTTCATCACGCTCTGCTCGGGCAATCTTCTTCCTGCTGACTCCTCAAGCTG
 CTCAGCGGGTCTGTTCCACTCCAACCCTGCCTTGACGCGCCGGCGGAGCACAAGCCGGGCTCGGGG
 CGCGTGGGAGGATGCCCGGAGGGGAGAGTCCGGCACCGGAGGAAGCGCGCCTGGGACCCTGGAGC
 TGGACTGGAAGACAACCTAGCCAGGATCCGCGAAAACCACGAGCGGGCTCTCAGGGAAGCCAAGGAGACC
 CTGCAGAAGCTGCCGAGGAGATCAAAGAGACATTCTGCTGGAGAAGGAAAAGTGGCCAGGACCAGC
 TCGCTGACAAGGATCTGTTTAGGGCTTGCCAAAGGTGGACTTCCTGCCCGCTCGGGGTAGAGAACC
 GGAGCCCGCTGACGCCACCATCCGTGAGAAGAGGGCAAAGATCAAAGAGATGATGACCCATGCTTGAAT
 AATTATAAACGCTATGCGTGGGGCTTGAACGAACCTGAAACCTATATCAAAGAAGGCCATCAAGCAGTT
 TGTTTGGCAACATCAAAGGAGCTACAATAGTAGATGCCCTGGATACCCCTTTTCATTATGGGCATGAAGAC
 TGAATTTCAAGAAGCTAAATCGTGGATTAATAATTTAGATTTAATGTGAATGCTGAAGTTTCTGTT
 TTTGAAGTCAACATACGCTTCGTCGGTGGACTGCTGTCAGCCTACTATTTGTCCGGAGAGGAGATATTT
 GAAAGAAAGCAGTGGAACTTGGGGTAAAATTGCTACCTGCATTTCACTCCCTCGAATACCTTGGGC
 ATTGCTGAATATGAAAAGTGGGATCGGGCGAACTGGCCCTGGGCTCTGGAGGCAGCAGTATCCTGGCC
 GAATTTGGAACCTGCATTTAGAGTTTATGCACCTGTCCACTTATCAGGAGACCCAGTCTTTGCCGAAA
 AGTTTATGAAAATTCGAACAGTGTGAAACAACTGGACAACCGAAGGCCTTTATCCTAACTATCTGAA
 CCCAGTAGTGGACAGTGGGGTCAACATCATGTGTCGGTTGGAGGACTTGGAGACAGCTTTTATGAATAT
 TTGCTTAAGCGTGGTTAATGTCTGACAAGACAGATCTCGAAGCCAAGAAGATGTATTTTATGCTGTTT
 AGGCCATCGAGACTCACTTGATCCGCAAGTCAAGTGGGGACTAACGTACATCGCAGAGTGAAGGGGGG
 CCTCTGGAACACAAGATGGGCCACCTGACGTGCTTTCAGGAGGCATGTTTGCACCTGGGGCAGATGGA
 GCTCCGGAAGCCCGGCCCAACTACCTTGAACCTCGGAGCTGAAATGCCCGCACTTGCATGAATCTT
 ATAATCGTACATATGTGAAGTTGGGACCGAAGCGTTTCGATTTGATGGCGGTGTTGAAGCTATTGCCAC
 GAGGCAAATGAAAAGTATTACATCTTACGGCCGAGGTATCGAGACATACATGTACATGTGGCGACTG
 ACTCACGACCCCAAGTACAGGACCTGGGCTGGGAAGCCGTGGAGGCTCTAGAAAGTCACTGCAGAGTGA
 ACGGAGGCTACTCAGGCTTACGGATGTTTACATTGCCCGTGGAGATTATGACGATGTCCAGCAAAGTTT
 CTTCTGGCAGAGACTGAAGTATTTGACTTGATATTTCCGATGATGACCTTCTTCCACTAGAACAC
 TGGATCTTCAACACCGAGGCTCATCTTCCCTATACTCCGTGAACAGAAGAAGGAAATGATGGCAAAG
 AGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_008548

Insert Size: 1968 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: [NM_008548.4](#), [NP_032574.1](#)

RefSeq Size: 3889 bp

RefSeq ORF: 1968 bp

Locus ID: 17155

UniProt ID: [P45700](#)

Cytogenetics: 10 B3

Gene Summary: Involved in the maturation of Asn-linked oligosaccharides. Progressively trim alpha-1,2-linked mannose residues from Man(9)GlcNAc(2) to produce Man(5)GlcNAc(2).[UniProtKB/Swiss-Prot Function]