

Product datasheet for **MC219977**

Man1a2 (NM_010763) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man1a2 (NM_010763) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Man1a2
Synonyms:	AI428775; AI528764; AI854422; Man1b; PCR2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219977 representing NM_010763
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTACCCAGCGCTGCTGCCCTCTCTGGTCGTAGGATACCACCTTTGAACCTGGGGCCGCCCTCT
 TCCCACATCACAGGGCTACCTTGAGACTCTCCGAGAAGTTTATCCTTCTCCTCATCCTTAGTGCCTTCAT
 CACCCTGTGTTTTGGGCATTCTTCTTCCAGACTCTTCAAAACACAAACGCTTTGATCTGGGCTTA
 GAAGATGTGTTAATTCCTCACGTAGATGCCGGCAAAGGAGCTAAAAACCCGGCGTCTTCTGATCCATG
 GACCCGACGAACACAGACACAGGAAGAAGAAGAGCGTCTGAGAAATAAGATTAGAGCTGACCATGAGAA
 AGCCCTGGAAGAAGCAAAAGAAAAATTAAGAAAGTCAAGAGAGGAAATCCGTGCAGAAATTCAGACAGAG
 AAAACAAAGTAGCCCAAGCAATGAAGACAAAAGAGACCAGGGTACTGCCGCTGTCCCTGTCCACAAC
 GTGTAGGGGTGAGTGGTGGGATCCAGAAGACATGGAGATCAAGAAGAAAAGAGACAAAATTAAGAGAT
 GATGAAACATGCCTGGGATAATTACAGAACATACGGATGGGGACATAATGAACTAAGGCCTATTGCAAGG
 AAAGGCCATTCCACTAACATATTCGGAAGCTCACAGATGGGTGCCACCATAGTGGATGCTTTGGATACCC
 TTTATATCATGGGGCTTATGATGAATTCATGGATGGGCAAAGATGGATTGAAGAAAACCTTGATTCAG
 TGTGAATTCAGAAGTGTCTGCTTTGAAGTTAACATTCGCTTTATTGGAGGGCTCCTCGCTGCATATTAC
 CTGTCAGGAGAGGAAATATTCAAGACTAAAGCAGTGCAGTTGGCTGAGAACTCCTTCTGCCTTAAACA
 CACCTACTGGGATTCCTGGGCAATGGTGAACCTGAAAAGTGGAGTAGGTGAAAAGTGGGGCTGGGGCTC
 TGCAGGCAGCAGCATCCTGGCTGAGTTCGGCACCTGCACATGGAGTTTGTGCACCTCAGCTACTTGACC
 GGTGACTTGACTACTATAATAAGGTCATGCACATTCGAAACTACTGCAGAAAATGGAACGCCAAATG
 GTCTTTATCCAAATTTTAAACCAAGAAGAGGGCGCTGGGGTCAATACACATCAGTTGGTGGTCT
 GGGAGATAGTTTTATGAATACTTACTGAAAGCATGGCTGATGTCAGATAAAACAGACCAGGAGCAAGA
 AGGATGTATGACGATGCTGTTGAGGCTATAGAAAAACATCTTATTAAGAAGTCCCAGGAGGTCTGGTTT
 TTATTGGAGAATGGAAGAATGGACACTTGGAAAGGAAGATGGGGCACTTGGCCTGCTTTGCTGGGGAAAT
 GTTTGCCCTTGGAGCAGATGGTTCAGAAAGGATAAAGCTGGCCACTACTAGAACTAGGGGCAGAAATT
 GCACGAACATGTCATGAGTCATATGACAGAAGTGCATTGAAACTAGGTCCGGAGTCATTCAAGTTTGATG
 GTGCAGTGAAGCCGTGGCTGTGCGGCAGGCTGAAAAGTATTACATCCTTCGTCCAGAAGTAATTGAAAC
 CTATTGGTATCTATGGCGATTTACCCACGACCAAGATACAGGCAGTGGGGCTGGGAAGCAGCACTGGCT
 ATTGAGAAGTCGTCCGGTTCAGCGGTGGGTTTTCTGGTGTCAAGGATGTATACGCCCGACCCCTGTGC
 ATGACGACGTGCAGCAGAGCTTTTTTCTGCTGAAACATTAATACTTGTACCTGCTGTTCTCTGGCGA
 TGACCTTCTACCTTTAGACCACTGGGTGTTTAAACACAGAGGCGCACCTCTGCCGGTGTGCGCTTAGCC
 AACAGCACTCTTTCAGGTAATCCTGCTGTCCGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_010763
- Insert Size:** 1926 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_010763.2](#), [NP_034893.1](#)

RefSeq Size: 7960 bp

RefSeq ORF: 1926 bp

Locus ID: 17156

UniProt ID: [P39098](#)

Cytogenetics: 3 F2.2

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]