

Product datasheet for RN214925

Man2c1 (NM_139256) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2c1 (NM_139256) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Man2c1
Synonyms:	MGC93158
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214925 representing NM_139256 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCAGCGCGTTCTTGAAGCACTGGCGCACCACTTTTGGAGCGGTGGAGAAGTTCGTGTCCCGA
TCTACTTCACCGACTGTAACCTTCGCGGACAGGCTCTTCGGGGACAGCTGCCCGGTGACACTCTCCAGCTT
CCTGACCGCGAAAGGCTTCCCTATGAGAAGGCAGTGCAGCAGAACTTCAGCCCTGCGCAGTTCGGCGAC
AGCTTCGGACCCACATGGTGGACCTGCTGGTTTCGGGTAGAAGTGGTTCATCCCTGAAGTTTGGGTGGCA
AGGAAGTTCATCTTTGCTGGGAAAGTGTGGAGAAAGCCTTGTCTGGCGTATGGGGAACCTGTCCAGGG
TTTGACCAAGGAGGGTAAAAGACTAGTTATGTCTGAGTGAGAGGCTGCACGCAGCAGATCCTCGGAGC
TTGACTCTCTATGTGGAAGTAGCCTGCAATGGGCTTCTGGGAGCCGGGAAGGGAAGCATGATCGCAGCCC
CTGACCCTGAGAAGATGTTCCAGCTGAGCCAGGCTAAGCTGGCTGTGTTCCACCGGGATGTCCACAATCT
CCTGGTGGACCTGGAGCTGTTGCTGGGTGTGGCAAGGGCCTCGGGGAGGACAACCAGCGCAGCTTCCAG
GCCCTGTACACAGCCAACCAGATGGTGAACATATGTGACCCTGCGCAGCCTGAGACTTACCAGCAGCCG
AGGCCCTGGCCTCCAAGTCTTTGGCCAACGTGGAGGTGAAAGCCAGCATACCATCCATGCAACAGGACA
CTGTACATTGATACAGCCTGGCTTTGGCCCTCAAGGAGACTGTGAGGAAATGTGCCCGGAGCTGGTCA
ACAGCTGTGAAGCTCATGGAGCGGAACACTGAGTTCACCTTTGCCTGCTCTCAGGCACAACAGCTCGAGT
GGGTAAAGAACCAATACCTGGTCTGTATGCCAGCTCCAGGAGTTTGCCTGCCGAGGACAGTTTGTGCC
TGTGGGGGACCTGGGTAGAAATGGATGGGAACCTTCCAGTGGAGAGGCCATGGTGAGGCAGTTCCTA
CAGGGCCAGAACTTTTCTGCAAGAGTTTGGAAAGATGTGCTCTGAGTCTGGCTGCCAGATACATTTG
GCTACTCAGCACAGCTCCCCAGATCATGCAAGGCTGTGGCATCAAACGCTTCTGACACAGAACTGAG
CTGGAACCTGGTCAACTCCTCCACACCATACCTTCTTCTGGGAGGGGCTGGATGGCTCCCAAGTGCTG
GTACACTTCCCCCTGGAGACTCATATGGAATGCAGGGCAGTGTGGAAGAGGTGCTGAAGACTGTGACCA
ACAACCGGACAAGGGACGGACCAACCACAGTGGCTTCCCTTTTGGCTTCGGGGATGGGGGTGGTGGCCC
CACACAGACCATGTTGGACCGATTGAAGCGGCTGGGCAACACTGATGGGACGCCAGGGTGCAGCTGTCT
TCTCTGGACAGCTTTCACAGCACTGGAGAGAGACTCAGGGCAGCTGTGCATGGGTTGGGAACTCT



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TCTTGGAGCTGCACAATGGCACCTATACTACCCATGCCAGCTCAAGAAGGGGAACCGAGAATGTGAGCA
 GATTCTTCATGACGTGGAGCTGCTCAGCAGCCTTGCCCTAGCCCGAAGTGCCAGTTCCTGTACCCGGCA
 GTCCAGCTGCAGCGCCTCTGGAGGCTCCTACTCCTCAACCAGTTCATGATGTGGTGACTGGAAGCTGCA
 TTCAGCTGGTGGCAGAAGATGCCATGAACACTATGAAGACATCCGTTCTCATGGCAATACGCTGCTCAG
 TGCTGCAGCCGCAGCCTTGTGTGCTGGGAGCCAGGTCCCAAGGGCTCCGTATTATCAACACACTGCC
 CTGGAAGCGCACAGAAGTGTGGCACTACCCAAGGCCTTGTGGGGCTCACACGCCTAGCCCTGGTGACAG
 TGCCAGTATTGGCTATGCTCCTGCTCCCACCCCTACTTCACTGCAGCCCCTCTACCCAGCAGCCCGT
 GTTTGTGATGCAGGAGACTGACGGTCCGTGACGCTGGACAATGGCATCATCCGGGTGAGACTGGATCCA
 ACTGGCTGTCTTACTTCCTGGTCTGGTGGCTTCTGGCAGGGAAGCCATTGCTGAGGGTGCCCTGGGGA
 ATCAGTTTGTGCTGTTTGTGATGATGTGCCACTGTACTGGGATGCATGGGACGTCATGGACTACCATTAGA
 GACACGGAAGCCTGTGCGGGGCCAGGCAGGTACCCTGGCAGTAGGCGCTGAAGGTGGCCTTCGGGGTAGT
 GCCTGGTTCCTGTACAGATCAGCCCCAACAGTCGGCTCAGCCAGGAAGTCGTGCTGGATGTTGGTTGCC
 CCTATGTCGGCTCCACACGGAGGTGACTGGCAGGAGACCCACAAGTTCCTGAAGGTGGAGTCCCAGC
 TCGAGTACGGAGCCCCAGGCTACCTATGAGATCCAGTTTGGGCACCTTCAGGAGGCCGACCCACAACAA
 CACTCCTGGGACTGGGCTCGCTATGAGGTGTGGGCTCATCGCTGGATAGATCTGTCCGAGTGTACTTTG
 GGCTGGCCCTGCTCAACAAGTGAAGTACAGTACGAGGCAAGTCCCTCAGCCTCTACTGCT
 GCGTGCACCCAAGGCTCCAGATGTTACTGCTGACATGGGGCGCCATGAATCACTTATGCCTTGATGCCA
 CACAAGGGTCTTTCCAAGAAGCTGGTGTATCCAGGCTGCCTACAACCTCAACTTTCCCTCTTGGCAC
 TGCCAGCTCCAGGCCAGCCCTGATACCACCTGGAGCGCCTTTCCGTGTCTTACCAGCAGTCGTGTT
 GGAGACCATCAAGCAGGCCGAGAAGAGCCATCAGCACCACACTGGTTCTAAGGCTGTATGAGGCTCAT
 GGCAGCCATGTGGACTGCTGGCTACACACATCATTGCCTGTTCAGGAGGCCACCCCTTGTGACCTCCTGG
 AGCAGCGAGACCCACCGGTACCTGTCCCTCAGGACAACCCCTGAAGCTCACCTTTCTCCCTTCA
 AGTGAGGTCCTTATTGCTTGTGCTTCAGCCTCCAGCAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_139256

Insert Size:

3123 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_139256.1](#), [NP_640349.1](#)
RefSeq Size:

3360 bp

RefSeq ORF:

3123 bp

Locus ID: 246136

UniProt ID: [P21139](#)

Cytogenetics: 8q24

Gene Summary: plays a role in the processing of asparagine-linked oligosaccharides [RGD, Feb 2006]