

Product datasheet for **RN204232**

Man2b1 (NM_199404) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2b1 (NM_199404) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Man2b1
Synonyms:	Manb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204232 representing NM_199404 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCGGATCGCTTGCCCTGGTGTCCGTGCTGGTGGCGGGAACACTGGGTGGCTCTGGATGAGCT
CCTGCAACTTAGGTTTGCCAGTCTGTCTATTTCTTTCTATTGGTTGTTACTGGCTGCGCTGGCGC
TCAGGCCCGGGTTACAAGACATGTCCCACCACGAAGCCAGGCATGCTCAACGTGCACCTGCTGCCTCAC
ACACACGATGATGGGCTGGCTGAAGACAGTAGACCAATACTACTACGGCATCATGAGTGACGTCCAGC
ATGCATCTGTTTCACTACATCCTAGACTCAGTGATTTACTCTCTACTGAACGATCCCACCCGTCGTTTCAT
ATACGTGGAAATGGCTTTCTTCTCCCGTTGGTGGAAAGCAGCAGACCAATGTAACACAGGACGCTGTACGG
AACCTGGTGCAGCCAGGGGCGCCTGGAGTTTGCAATGGTGGCTGGGAATGAATGATGAGGCAGCCACTC
ACTATGGTGTATTGTGGACCAGATGACTTGGGCTACGCTTCTGCGAGACACATTTGGTAGTGATGG
ACTTCCCCGTGTGGCCTGGCACATTGACCCTTTGGCCATTCTCGAGAACAGGCCCTCCCTGTTTGCCAG
ATGGGTTTTGATGGCTTCTTCTCGGGCGCATTGACTACCAAGATAAATTTAACCGGAAGAGAAAGCTGA
AGATGGAGGAACCTGGAGGGCTAGCGCCAGCTGAAGCCCCCTGCTGCTGACCTCTTACTGGTGTGCT
CCCCAATAATTACAACCCTCCAAAAGACCTGTGCTGGGATGTGCTGTGTACAGACCCTCCCGTGGTGGAC
GATCCCAAGCCCTGAGTTTAAATGCCAATAAGTTGGTTGATTACTTCTGAACTCGCCTCTTCCAG
AAAAGTATTACCGAACCAACCACACCGTGATGACCATGGGCTCAGACTTCCAGTATGAGAATGCCAACAT
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GTGCTCTACTCCACCCTTCGTGTTACCTCTGGGAGCTGAACAAGGCCAATCTCACTTGGACAGTGAAGG
AGGACGACTTCTTCTTATGCTGATGGCCCCACATGTTCTGGACTGGCTATTTCTCCAGTAGGCCAGC
CCTCAAGCGTATGAGCGCCTCAGCTACAACCTTCTGCAGGTGTGCAACCAGCTGGAAGCACTGGTGGGT
CCCGAGGCCAAAGTGGGACCCTACGGCTCAGGAGACAGTGCACCCTCAATGAGGCAATGGCGGTGCTGC
AGCACCAGTGTGCTCACTGGTACTGCAAGGCAGAATGTTGCAATGACTATGCGAAGCAGCTGGCGGC
AGGCTGGGACCCTGTGAGGTTCTCGTGAGCAACGCTCTGGCGGACTCAGCCTTACAACAGAACTTC



TCATTCTGTCGGGAGATCAACATCAGTATCTGCCAGCCAGCCAGACGTCAGAGCACTTCCGGGTAATTA
 TTTACAACCCCGTGGGGCGGAAGGTGGATCTGATGGTTCGGCTGCCGGTCAGTGAAGGCATCTTCCTTGT
 GAAGGACCCTAACGATAGGAGAAATTTCCAGTAATGTGGTATGGTTCAGTGTACAGTAAGACGTAT
 CAATGGGAGCTGCTGTTCCAGCCTCAGTGCCTGCCCTGGGCTTCAGCATCTACTCTGTGAACAAAATGA
 GTGGCCATAACCATCAGGCCACAACCTAACGGCCAGGCCAAGAAATCCAAGTCCCGTGTCTTAGTCAT
 TGAATAAAGTACATACGGGCCACATTTGACTTGACACAGGGTATTGAGGAAGATTGAAACCTGGAA
 CAGAACATTTCCGCTCCCTGTGAGACAAGGCTTTTGGTACAATGCCAGCGCTGGTGATGAGGAGATC
 CTCAGGCCTCTGGTGCCTACATCTCAGACCCAGTCATCGTAAACCACTGCCTGTGAGCCACTGGGCTCA
 GGTCACTTTGGTGAAGACAACTTGGTGCAGGAGTACACCAGAATTTTTCAGCCTGGTGTTCCTCAAGTG
 ATTCGCTGTATGAAGGACAGCGTCATTTGGAGCTGGAGTGGACGGTGGGACCAATCCCAGTGAAAGATG
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 GTGGCTGAAAATTACTACCCTGTCAACTCGCATTTACATCACGGACGGGCATATGCAGCTGACCGTGC
 TGACCGACCGTCCAGGGGGCAGCAGTCTGCTGGATGGCTCATTGGAGCTCATGGTTCACCGACGGCT
 GTTGGTAGATGATGAACGTGGGGTGGCGGAACCTTGCTGGAGACAGATACGGGGGATAAGTTTCGAGGG
 CGCCACCTTGTGATTTTGTAGTTCTGTGAGTGCAGTGCAGGCTGCAAGACACCGACTGCTGGCGGAGCAGGAAG
 TCCTGGCCCTCAGGTGGTGTGGCCACGGGGGTAGCAGTCCCTATCACTCGCAGGCACCAAAAATGCA
 GTTCTCCGCACTTCGCCGGGAGCTACCTCCGACGGTGCATCTGCTCACCTGGCTCGCTGGGGTCCAAAAG
 ATGCTGCTGCTGCGCTTGGAGCACCAGTTCCGCTGTGAAGGAAGATTCAAATCGCAACCTGAGCTCTCCGG
 TGACCTTGAACCTGCAGAACCTGTTCAAGACCTCACTATCAACTACCTGCAGGAGACCACACTGGCAGC
 CAACCAGCCCTATCCAGGGTTCCAGGCTCAAGTGGATGACAGATACTGGTCCCATCTCCTACCCTGCT
 CCTTCCCGGTTGGACCCTACCTCAATCACACTGCAGCCTATGCAAATCCGTACCTTCTGGCCTCGGTTCC
 AATGGCAGAGACTCATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_199404

Insert Size:

3030 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_199404.1](#), [NP_955436.1](#)

RefSeq Size:

3150 bp

RefSeq ORF:

3030 bp

Locus ID: 361378

Cytogenetics: 19q11

Gene Summary: mouse homolog is a lysosomal alpha-mannosidase which cleaves alpha-linked mannose residues on glycoproteins [RGD, Feb 2006]