

Product datasheet for **RN203565**

Man2a1 (NM_012979) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2a1 (NM_012979) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Man2a1
Synonyms:	Mana2; Manno
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203565 representing NM_012979 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGTTAAGCCGCCAGTTCACCGTGTTCGGCAGCGGATCTTCTGCGTCGTAATCTTCTCACTCTACC
TGATGCTGGACAGGGTCACTTGGACTACCTCGGGCCCGCCAGGAGGGCTCCTCCCGCAGGGCCA
GCTTTCAATATTGCAAGAAAAGATCGACATTTGGAGCGTTTGTAGCGGAGAACAACGAGATCATCTCG
AATATCAGAGACTCGGTCATCAACCTGAGTGAGTCTGTGGAAGATGGCCACGAGGTCCAGCAGGCAACG
CCAGCCAAGGCTCTGCGCACCTCCACTCTGCACAGTTGGCCCTACAGGCTGACCCCAAAGACTGCTTGT
TGCCCTCGCAGAGCGGAAACCAGCACCGGATGTGCAGATGTTGGATGTTACGATCTGATTCCTTTTGT
AATCCAGATGGTGGAGTTTGAAGCAAGGGTTGACATTAAGTACGAAGCTGATGAGTGGGACCGTGAGC
CCCTGCAAGTGTTTGGTGCCTCACTCCATAATGACCCAGGTTGGTTGAAGACTTTCAATGACTACTT
TAGAGACAAGACTCAGTATATTTTAAACATGGTCCTAAAGCTGAAAGAAGACTCAAGCAGGAAGTTT
AAAGTTTACTACAGAATGGTCAGTTGAGATTGTGACCGGTGGCTGGGTGATGGCCGATGAAGCCACTAC
ACATTATTTGCCTAATTGACCAACTGATTGAAGGCGATCAATGGCTGGAAAAAATCTAGGAGTGAAA
CCTCGATCGGGCTGGCCATAGATCCCTTTGGACATTCACCCACAATGACTTACCTTCTAAAACGTGCTG
GATTTTACACATGCTCATCCAGAGAGTCCATTATTCGGTAAAAAACACTTCTCTTTGCAAAAAACGCT
GGAATTTTCTGGAGACAGAATTGGGATCTTGGATCCACCACAGACATTTTGTGCCACATGATGCCCTTC
TATAGCTATGACATCCCCACACCTGTGGACCCGATCCCCAAATATGCTGCCAGTTTGATTTTAAGCGGC
TTCTGGAGGCAGATACGGTTGCCCTGGGGAGTCCCCCAGAAGCAATATCTCTGGAAATGTCCAAAG
CAGGGCTCAGATGCTACTGGATCAGTACCGAAAAAGTCAAACCTTTCCGCACCAAAGTTCTCCTGGCT
CCGCTCGGAGACGATTTTCGGTTCAGTGAATACACAGAGTGGGACCTGCAGTACAGGAACATGAGCAGT
TATTCAGTTACATGAACTCTCAGCCCCATCTAAAGTGAAGATCCAGTTTGAAGCTTTGTGAGATTTT
CGATGCATTGGAGAAGTCTGTGGCAGCTGAGAAGAAGGTTGGCCAGTCTGTGTTCCCGCCCTGAGTGG
GACTTCTCACCTACGCTGACCGAGACGACCATTACTGGAGTGGTACTTTCACATCCAGACCTTTCTACA



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AACGAATGGACAGGATAATGGAATCTCGTTAAGGACTGCTGAAATTCTTTACCATTTGGCCTTGAAACA
 AGCTCAGAAAACAAGATAAATAAATTTCTTTCATCACCTCATTATACAACACTGACAGAAGCCAGAAGG
 AACTTTGGGACTGTTTCAGCATCATGATGCCATCACGGAAACCGCGAAAGACTGGGTGGTCGTGGACTATG
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 ATCCCTTCGAACAAGAACGGCACTCGGTGGTGTCCGTCCGTGTGAACTCAGCCACGGTGAAGTGTCTGTC
 TGATCTGGGAAAGCCGTGGAGGTTCAAGTCAGCGCAGTCTGGAAGGATATGAGAACGACTTCACAAGCA
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 AGAGTTCAAGTTCACATCTGGCTGATTATTTCTATATAACAATGACGGGCAAGCAGAAAGTGAATATT
 CCACATGAAGAACATGGTAGATTGAGGAGATGCCATCACCATAGAGAATTCCTTCTCACACTTGGGTTT
 GACCGATCTGGGCTGATGGAGAAAGTGAGAAGGAAAGAAGACAATAAACAGCAGGAACTGAAGTGCAGT
 TCCTGTGGTACGGAACCACCAACAAAAGGGACAAGAGCGGTGCCTACCTTCTCTGCCTGATGGGCAGGG
 CCAGCCCTATGTTTCCCTGAGAACCCTTTGTCAGAGTGACACGTGGAAGGATCTACTCAGACGTGACC
 TGCTTCTTGAACACGTTACTCACAAGGTCGGCTGTACCACATACAGGGAAATAGAAGGCCAGTCCATGG
 AGGTTTCTAATATCGTGGACATCAGGAGTGTGCATAACCGTGAGATTGTAATGAGAATTTCTCCAAAAT
 AAACAACCAAAATAGATATTATACCGACCTAAATGGATATCAGATTCAACCTAGAAGGACAATGGCCAAA
 CTGCCTCTTACGGCAATGTGTACCCGATGAGCACAATGGCCTACATCCAGGATGCTGCACATCGGCTCA
 CACTGCTTTCCGCTCAGTCTTTAGGCGCTTCCAGTATGGCCTCTGGTCAAATGAAGTCTTCATGGACCG
 AAGACTCATGCAGGACGATAACCGTGGCCTTGGCAAGGTGTACACGATAATAAGATTACAGCAATTTG
 TTTCGAATCCTGCTAGAGAAGAGAAATGGCATGAACATGGAAGAGGACAAGAAGGCCCTGTCAGTACC
 CTTCCCTCCTCAGCCATATGACCTCGGCCTTCTCAACCATCCCTTCTCCCATGGTACTAAGTGGCCA
 GCTCCCTCCCTGCCATTGACTGCTGAGTGAATTTGCTGCTGCTGAGTCCCTCTCCCTTGTGATATC
 CATCTGGTTAATCTACGGACAATACAGTCAAAGGTGGGCAAGGTTACTCAGATGAGGCAGCCTTGATCC
 TCCACAGGAAGGTGTTTGATTGCCAGTTGTCCAGCAGAGCCATGGGGCTGCCCTGTTCCACGACTCAGGG
 AAAGATGTCAATTCAAAACCTTTTCAACAACCTTTGCTGTGGAGAGTTTCATCCCTTCTCGCTGTCTTG
 ATGCACTCGCCTCCGGACGCCAGAACACGAGTGAAGTCAGCCTGAGTCCCATGGAGATTAGCACGTCCC
 GAATCCGCTTGAGGTGA

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012979
- Insert Size:** 3447 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_012979.2](#), [NP_037111.2](#)

RefSeq Size: 6959 bp

RefSeq ORF: 3447 bp

Locus ID: 25478

UniProt ID: [P28494](#)

Cytogenetics: 9q37

Gene Summary: golgi enzyme involved in asparagine-linked oligosaccharide processing [RGD, Feb 2006]