

Product datasheet for **RN208950**

Man1a2 (NM_001106452) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man1a2 (NM_001106452) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Man1a2
Synonyms:	Man1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208950 representing NM_001106452
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTACCCAGCGCTGCTGCCCTGTCTGGTGTAGGATACCACCTCTGAACCTGGGGCCGCCCTCCT
 TCCCACATCACAGGGCTACCTTGAGACTCTCCGAGAAGTTTATCCTTCTCCTCATCCTTAGTGCCTTCAT
 CACCCTGTGTTTTGGGGCATTCTTCTTCCAGACTCTTCAAAACACAAACGCTTTGATCTGGGCTTA
 GAAGATGTGTTAATTCCTCACGTAGATGCGGGCAAAGGGGCTAAAGACCCCGAGTCTTCTGATTCATG
 GACCCGACGAACACAGACACAGGAAGAAGAAGAGCGTCTGAGAAATAAGATTAGAGCTGATCATGAGAA
 AGCCCTGGAAGAAGCAAAAGAAAATTAAGAAAGTCAAGAGAGGAAATCCGTGCAGAAATTCAGACAGAG
 AAAATAAAGTAGCCCAAGCAATGAAGACAAAAGAGACCAGGGTACTGCCACCTGTCCTGTCCCACAGC
 GTGTAGGGGTGAGTGGTGGGACCCAGAAGACCGGAGATCAGGAAGAAAAGAGACAAAATTAAGAGAT
 GATGAAACATGCCTGGGATAATTACAGAACATACGGATGGGGCCATAATGAGCTCAGACCTATTGAAGG
 AAAGGGCATTCCACTAACATATTCGGAAGCTCACAGATGGGGGCCACCATAGTGGATGCTTTGGATACCC
 TTTATATCATGGGGCTTATGATGAATTCATGGATGGGCAAAGATGGATTGAAGACAACCTTGATTCAG
 TGTGAACCTCGGAAGTGTCTGTGTTGAAGTTAACATTCGCTTTATTGGAGGGCTCCTTGCAGCATATTAC
 CTGTCAGGAGAGGAAATTTCAAGACTAAAGCAGTGCAGTTGGCTGAGAAGCTCCTTCTGCCTTTAAACA
 CTCCTACTGGGATTCCTTGGGCAATGGTGAACCTGAAAAGTGGAGTAGGTGCGAACTGGGGCTGGGCATC
 TGCAGGCAGCAGCATCCTGGCTGAATTTGGCACCTGCACATGGAGTTCGTGCACCTCAGCTACTTGACT
 GGTGACCTGACTACTATAATAAGGTCATGCACATCCGAAACTACTACAGAAAATGGAACGCCCAAATG
 GTCTTTATCCAAATTTAAACCCGAGGACAGGGCGCTGGGGTCAGTATCACACATCAGTTGGTGGCCT
 AGGTGACAGTTTTTATGAATACTTACTAAAAGCATGGCTGATGTCAGATAAAACAGACCAGGAGCAAGA
 AGGATGTACGACGACGCTGTTGAGGCTATAGAGAAACATCTTATTAAGAAGTCCCGAGGAGTCTAGTCT
 TTATTGGAGAATGGAAAATGGACACTTGGAAAGGAAGATGGGTCATTTGGCCTGCTTTGCTGGGGAAAT
 GTTTCAGCTTGGAGCGGATGGTTCAGAAAGGATAAAGCTGGCCACTATTTAGAAGTGGGGCAGAAAT
 GCACGAACATGCCATGAGTCATATGACAGAAGTGCATTAAGTGGTCTGAGTCATTCAAGTTTGATG
 GTGCAAGTGAAGCAGTGGCTGTGCGCAAGCTGAGAAGTATTACATCCTTCGTCCGGAAGTATCGAAAC
 CTATTGGTATCTATGGCGATTACCCACGACCAAGATACAGGCAGTGGGGCTGGGAAGCCGATTGGCT
 ATTTGAGAAGTCTGCCGAGTCAGTGGTGGTTTTCTGGTGTCAAGGATGTCTACTCCCGACTCCTGCC
 ACGACGAGTGCAGCAGAGCTTTTTCTTCCGAGACGTTAAAATACTTGTACCTGCTGTTCTCTGGCGA
 TGACCTCTACCTTTAGACCACTGGGTGTTAATACAGAGGCTCATCCTCTGCCGGTGTTCGCTTTAGCC
 AACACCACTCTTTCAGGTAACCCGCTGCTGTTCTGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001106452
- 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_001106452.1](#), [NP_001099922.1](#)

RefSeq Size: 3482 bp

RefSeq ORF: 1926 bp

Locus ID: 295319

Cytogenetics: 2q34