

## Product datasheet for **RN205979**

### **Man1a1 (NM\_001033656) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Man1a1 (NM_001033656) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Man1a1
Synonyms:	Aa2-166; Man1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205979 representing NM\_001033656  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCGTGGGGGCTGTTGCCACTCTTCAGTAGCCCTGGGGGCGGAGGCTGGGCGGTGGCCTGGGCG  
 GGGTCTTGGCGCGGGAGGAAGGGTCTGGCCCCGCGCTTCCGCCTACTGAGAAGTTCGTGCTGCT  
 GCTGGTGTTCAGCGCCTTCATCACGCTCTGCTCGGGCAATCTTCTTCCTGCTGACTCCTCAAGCTG  
 CTGAGCGGGTCTGTTCCACTCCAACCCTGCCTTGACGCCACCGCGGAGCACAAGCCGGGCTCGGGG  
 CGCGTGCCGAGGATGCCGCCAAGGGAGAGTCCGGCACCGCGAGGAAGGCGTGCCTGGGACCTGGAGC  
 TGGACTGGAGGATAACTTAGCCAGAATCCGTGAAAACCACGAGAGGGCTCTCAGGGAAGCCAAGGAAACC  
 CTGCAGAAAGTCCAGAGGAGATCAAAGAGACATTCTGCTGGAGAAGGAGAAGTGGCCAGGACCAGC  
 TCGGTGACAAGGATCTGTTGGGGCTTGCCAAAGGTGGACTTCCTGCCCCCATCGGGTAGAGAACC  
 AGAGCCTGCTGACGCCACCATCCGTGAGAAGAGGTCAAAGATCAAAGAGATGATGGCCCATGCTTGGAA  
 AATTATAAACGCTATGCGTGGGGCTTGAACGAACGAAACCGATATCAAAGAAGGCCATTCAAGCAGTT  
 TGTGGCAACATCAAAGGAGCTACAATAGTAGATGCCCTAGATACCCCTTTTCATTATGGGTATGAAGAC  
 TGAATTTCAAGAAGCTAAATCATGGATTAATAACTTACTTATGATTTAATGTGAATGCTGAAGTTTCTGTT  
 TTTGAAGTAAACATACGTTTCGTTGGTGGATTGCTGTCAGCCTACTATTTGTCCGGAGAGGAGATATTT  
 GAAAGAAAGCAGTGGAACTTGGGGTAAAATTGCTACCTGCATTTTCATAGTCCCTCTGGAATACCTTGGGC  
 ATTGCTGAATATGAAAAGTGGGATTGGACGTAACCTGGCCCTGGGCTCTGGAGGCAGCAGTATTCTGGCA  
 GAATTTGGAAGCTCCATTTGGAGTTCATGCACCTGGCCACTTATCAGGAAATCCCGTCTTTGCCGAAA  
 AGGTAATGAATATTCGAACAGTCTGAACAAGCTGGACAACCGAAGGCTTTATCCTAACTACCTGAA  
 CCCAGTAGTGGACAGTGGGGTCAACATCATGTGTCAGTTGGAGGACTTGGAGACAGCTTTTATGAATAT  
 TTGCTCAAGGCATGGTTAATGTCTGACAAGACCGATCTCGAAGCCAAGAAGATGTATTTGATGCTGTC  
 AGGCCATCGAGACTCACTTGATCCGCAAGTCAAGTGGGGACTAACGTACATCGCAGAGTGGAAAGGGGG  
 CCTCTGGAGCACAAGATGGGCCACCTGACGTGCTTTCAGGGGGGATGTTTGCACCTGGGGCCGACGGA  
 GCTCCAGAAGCTCGGGCCAACTACCTTGAACCTCGGAGCTGAGATCGCCCGCACCTGTCACGAGTCTT  
 ACAACCGCACATATGTGAAGTTGGGGCCAGAAGCGTTTCGATTTGATGGCGCGTGAAGCCATTGCCAC  
 GAGGCAAATGAGAAGTATTACATTCTACGGCCAGAGTTATCGAGACATACATGTACATGTGGCGTCTG  
 ACCCATGATCCCAAGTACAGGACCTGGGCTGGGAAGCCGTAGAGGCCCTAGAAAGCCACTGTAGAGTGA  
 ACGGAGGCTACTCAGGCCTACGGGATGTTTACATTGCCCATGAGAGTTATGACGAGTCCAGCAAAGCTT  
 CTTCTGGCAGAGACTGAAGTATCTGTACTTGTATTTTCCGACGATGACCTTCTTCCACTGGAACAC  
 TGGATCTTCAACACCGAGGCTCATCTTCCCTATACTCCGTGACCAGAAGAAAGATTGATGTCCAGG  
 AGAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001033656

**Insert Size:** 1968 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\\_001033656.1](#), [NP\\_001028828.1](#)

**RefSeq Size:** 3857 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 294410

**Cytogenetics:** 20q11