

## Product datasheet for **RN208639**

### **Msto1 (NM\_001106443) Rat Untagged Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Msto1 (NM_001106443) Rat Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Msto1                                   |
| Synonyms:                 | RGD1306110                              |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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**Fully Sequenced ORF:** >RN208639 representing NM\_001106443  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCGGGGCCGCGAGGTGCTCACGCTGCAGTTGGGACATTTTCGCGGGTTTCGTCGGGGCGCACT  
 GGTGGAACAGCAGGATGCTGCGTTGGGACGCACGACCGAGGGCGAAGAGTCGCCAGGCGAGCTGTGCC  
 GGACGTCTTGATCGAAGTGGCCGACACTGCATGGCCAGGAAACCTATACACCTCGACTCATCCTCATG  
 GACCTCAAAGGCAGTCTGAATACCTTAAAGGAAGAAGGCAGCCTCTACAGGGACCGACAGCTAGAGGCTG  
 CAATAGCATGGCAGGGGAAGCTCACCACACACAGAGAAGAGGCCAACTCAAAGAACCCGAACCTCCAGGA  
 CCTTCTGAGTGCAGAGGGAGTGTGAGTAGTGATGGTGCCTTGAGGGCGAACTGATCCAGAATGGCAAA  
 GAGAACAGCATCAAAGTCTGGTCAGACTTCTCCGAGTCCATCTCCATCCACGGAGCATGTGTGATTCTC  
 AGAAGTACAACCATGACGGTGAGACCGGCCGGCTGGAGGCTTTTGCCAAAGGGGAGAGTGTCTGAAGGA  
 ACCCAGGTAAGTGAAGAGCTGGAGGACAGGCTGCATTTCTATGTGGAAGAATGTGATTACTTGCAGGGC  
 TTCCAGATCCTGTGTGACCTGCATGATGGCTTTTCTGGAGTAGGTGCTAAACTGCAGAATTACTACAAG  
 ACGAGTATTACAGGGCGCGGAGTACTAACCTGGGGTCTGCTGCCTGGTCCCTACAGTCTTGGGGAGCCCCA  
 GAAAAATATCTATCGTCTCTTAAACACAGCATTGGTCTGGTGCACCTTGTGGGTACAGCTCTTTCGTC  
 TGTCCTTGTCCCTTGGAGGGAACTGGGCTGCGACCCAAGCCACCTGTCAACTTCCCTTACCTTCATT  
 ATGATGCCACTCTGCCCTTCCACTGTAGCGCTATCCTGGCTACAGCCCTGGACACGGTTACCGTTCCCTA  
 TCGCCTCCGCTCCTCCACAGTCAGCATGGCTCACTTGGCTGATGTGCTAAGTTTCTTGGAAGAAGGTG  
 GTGACAGCAGAAGCCATCATCCCTTCCCACTGGTCCGAGGCCAGTCACTTCTGACATTCTCATGCAAC  
 TTGGAGAAGCCACCCGTGGACCTCCCTGTCTGCATGCGGTGATTCTGCCGGACATCGGTGCTTTGCCCA  
 GTCTGTGGTGCTCAGGGGCATAGACAGAGCTAGCCACACCAAGTAAGCTCAACCCAGGGACACCTTTGCC  
 TCCACTCTCCATGCGTGTGCTCTGGAGAAGAAGTCTTGCCCGAGTACTTAGAGCAGCAGCACCTAGGG  
 TCTTGAGTTGTCATATCTGCTGCTGACACCTGCAAAATGGCTCCTCCGTACCCACACTTCTTCTCAAG  
 CTTCAAGTCAAGAGGTTGGCCATGGACGGGGCCCCCAAGGGCGCAGCAGTGCAGAGCATCCCTGTGTTT  
 GGGGCTTGCCTTCACTTCACTTGCAGCGGACACTAAGAGACTTGGGTGACGAGCTCGCCAGACTTG  
 ACCTGCGGCGTGGGCTAGCTTTCATGGACGCCGGGTGGAGCAGGATGACATGGAAGAGCTGCTGCAGGA  
 GCTACACAGCCTGGCCAGTGTACCAGGAGGGCGCGGCTTTCCAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001106443

**Insert Size:** 1662 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\_001106443.1, NP\_001099913.1

**RefSeq Size:** 1972 bp

**RefSeq ORF:** 1662 bp

**Locus ID:** 295237

**Cytogenetics:** 2q34