

## Product datasheet for **RN207116**

### **Mst1 (NM\_024352) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mst1 (NM_024352) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mst1
Synonyms:	E2F2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN207116 representing NM\_024352  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGTGGCTCCCACTACTGCTTCTGGCACAGTGTCAAGGGCTCTGGGCAGCGCTACCGCTGA  
 ATGACTTCCAGCTGCTTCGGGGCACAGAGTTAAGGAACCTGCTACATCCAGTGGTGCCAGGGCCATGGCA  
 GGAGGATGTGGCAGATGCCGAGGAGTGTCTAGACGCTGTGGGCCCTTCTGGACTGCCGAGCCTCCAC  
 TACAATATGAGCAGCCATGGTTGCCAGCTACTACCGTGGACTCAGCACTCTCTGCGTGCACAGCTACACC  
 ATTCTAGCCTGTGCGATCTTCCAGAAGAAAGACTATGTACGGACCTGCATTATGGACAATGGGGCCAG  
 CTACCGGGGCACTGTGGCCAGGACAGCTGATGGCTTGCCTGCCAAGCCTGGAGCCGAGGTTCCCAAT  
 GACCACAAGTACACGCCACACCGAAGAATGGCCTGGAAGAGAATTCTGTGGAAACCTGATGGGGACC  
 CCAGAGGTCCTGGTGTACACGACAAACCGCAGCGTTCGCTTCCAGAGCTGCGGCATCAAATCATGCAG  
 GGAGGCGGTTTGTGTTTGGTGAACGGCGAGGATTACCGTGGCGAGGTAGACGTTACAGAATCGGGACGG  
 GAGTGTCAACGCTGGGACCTGCAGCACCCACACTCGCACCCCTTCCACCCGAAAAGTCCAGACAAAAG  
 CTCTGAAAGACAATATTGCCGTAATCCGGATGCATCTGAGCGCCCTGGTGTACACCACGGACCCGAA  
 GTTTGAGCGAGAGTTCTGTGACCTGCCAGTTGCGGGCCAACTGCCACCGACCACAAAGGATCCAAG  
 TCACAACAGCGCAACAAGGTCAAGGCTTCAAGTCTTCCGCGGAAAAGTGAAGACTATCGAGGCACAA  
 CCAATACCACCTCGCGGGTGTGCCCTGCCAGCGCTGGGATGCGCAGAATCCGCACCAGCACCGCTTTGT  
 GCCGGAGAAATAGCTTGAAGGACCTTCGTGAGAATTTCTGCCGGAATCCTGATGGCTCCGAGGCGCCT  
 TGGTGTCCACATCTCGACCTGGTTTGCCTGAGCCTTTTGTACCAGATCCCACGCTGCACAGAAGAAG  
 TGGTGCCAGAGGGCTGCTACCATGGCTCAGGTGAACAGTATCGTGGCTCAGTCAGCAAGACACGCAAGGG  
 CGTTTCAGTGCCAGCACTGGTCCTCAGAGACACCACATAAGCCACAATTCACACCCACCTCAGCACCAT  
 GCAGGCTTGGAGGCAAACTTTTCCGGAATCCGGATGGAGATAGCCATGGGCCCTGGTGTATACTTTGG  
 ACCCAGAGACCCTGTTTGACTACTGTGCCCTAAAACGCTGTGATGATGACCAGCCACCATCCATCTTGG  
 CCCCCAGTCCAGGTGCAGTTTGAAGTGTGGCAAGAGAGTTGACCAGAGTAATAGACTTCGTGTGGT  
 GGGGGTCACTCCGGAACTACCGTGGACAGTCACTTGCAGGATCGACAGGGCCAGCATTCTGTGGG  
 GTTCCCTAGTGAAGGAGCAGTGGTACTGACCGCCCGCAATGCATCTGGTCATGCCATGATCCTCTCAC  
 AGGATATGAGGTATGGTTGGGTACAATTAACCAGAACCACAGCCTGGAGAAGCAAACTGCAGAGGGTC  
 TCAGTGGCCAAGACAGTGTGCGGACCTGCAGGCTCCCACTTGTCTGCTCAAGTGGAGAGACCTGTGA  
 TCCTGAACCATCAGTGGCCAGGATTTGCCTACCTCCTGAACAGTATGTGGTACCTCCAGGGACCACTG  
 CGAGATCGCTGGCTGGGTGAATCCAAAGTACAAGCAATAGCACAGTCCTTCATGTGGCAAAAATGAAG  
 GTCATCTCCAGTCAGGAATGTAATGTGAAGTACCGGAGACGAGTACAAGAGAGTGAGATATGCACCGAGG  
 GGTTGCTGGCCCCACGGGCGCTTGTGAGGGTACTACGGGGGCCACTTGCCTGCTATACCCATGACTG  
 CTGGGTCTACAGGGACTTATCATCCCGAACAGAGTGTGTGCACGGCCTCGCTGGCCAGCTATCTTACA  
 CGTGTGTCTGTTTGTGGACTGGATTAACAAGGTCGTGCAGCTGGAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_024352

**Insert Size:** 2151 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_024352.1, NP_077328.1</u>
<b>RefSeq Size:</b>	2222 bp
<b>RefSeq ORF:</b>	2151 bp
<b>Locus ID:</b>	24566
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	ligand for receptor tyrosine kinase STK/RON; may mediate germ cell-germ cell interaction during spermatogenesis, and acquisition of sperm motility and/or fertilizing capacity in the epididymis [RGD, Feb 2006]