

Product datasheet for **MC201996**

Mast1 (NM_019945) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mast1 (NM_019945) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mast1
Synonyms: 9430008B02Rik; SAST; SAST170
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC054524 sequence for NM_019945
GCTCCCCGCGCTGCCGCTGCCGCTGCCTCTGCTGCTGCCGCCACCTGCCACCATGTCCGCCCGC
CGGGTCATGTCTGACTCTCTGGACCGCGCTTCCAATTTCTCGATGCCCTCCTCCCCGCGGCAGCA
TGTTTTGCGCGACCAAGAGTTGCCGTACCAGCAACCGGAAAAGCCTCATCCTGACAAGCACTTCTCCGAC
TCTACCGCGACCCCACTCCCCGCTGCCGGCCACTTAGGTAGCAGTCCTTTGGACAGCCCCGCAACTTC
TCTCCAAACTCCCGCCACTTCTCGTTTGCTTCTTCCGAAGGGCGGATGGACGCCGATGGTCGCTTG
CTTCGCTCCCTTCTGCTATGGCACCAACACGCCAGCTCAACTGTTTCATCCTCCTGCTCCTCCCA
GGAGCGCTGCATCAACTACCGTACCAGCCACCGTGGACGAGCTGCACTTTCTGTCCAAACTTCGGC
AGCACCAGAGCATCACCGACGAGGATGGTGGCCGCCGCTCTCCCGCGTGCCTCCTCGCTCGCAGCC
TCAGCCCCGCGCCCTCCCTCCTACGACAACGAAATGTGATGATGAACCATGTGTACAAGGAGCG
GTTCCCAAAGGCCACTGCACAGATGGAAGAGAAGCTGCGGGACTTCGCCCCGCGCCTATGAACCTGACAGC
GTGCTGCCGCTGGCCGACGGCGTCTCAGCTTCAACCACATCAGATCATTGAACCTGGCCCGAGACTGCC
TTACCAAGTCCCAGATGGGCTCATCACACCGTCTATTTCTATGAACCTGCAGGAAAACCTAGAGAAGCT
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CTCATAATCATCTCTCGCCCTGCAAGGCTTCTGGAGTGCCTGGAATTAACCCAGAAGAGTTCTACCACC
TTCTGGAGGCAGCCGAGGGACATGCCAAGGAGGGCCACCTGGTCAAACTGACATCCCCGATACATCAT
CCGACAGCTGGGCCTCACTCGGGACCCCTTCCAGATGTGGTGCCTGGAGGAGCAGGACAGCGGGGGC
TCCAACACTCCGGAGCAAGACGACACATCTGAGGGTGCAGCAGCACCTCAAGGCCAAGAAACCTCCCG
GTGAAAGTGACTTTGACACTATCAAGCTCATTAGCAATGGTGCCTACGGAGCCCTACCTGGTGGCGCA
CCGGGACACGAGGCAGCGCTTCCGATGAAGAAGATCAACAAACAGAACCTGATCCTGCCAACCAGATC
CAGCAGGCGTTTGTGGAGCGCAGACATCCTCACGTTTGCAGAGAACCCATTTGTGGTGGCGATGTTCTGCT
CCTTTGAGACCCGGCGCCACCTTGCATGGTCATGGAGTATGTGGAAGGTGGTACTGTGCCACTCTCCT
CAAGAACATTGGGGCACTGCCTGTGGAGATGGCGCAATGTATTTTGCAGAAACAGTTCTAGCCCTTGAG
TACTTACACAATTATGGCATCGTGACCGTGACCTCAAGCCAGACAACCTCCTACTTCCATGGGCC
ACATCAAGCTCACGGATTTTGGCCTCTCCAAGATGGGACTCATGAGCCTGACCACCAACTTATATGAGGG
GCACATTGAGAAGGATGCCCGGGAGTTCTGGACAAACAGGTGTGTGGGACCCAGAGTACATCGCACCC
GAGGTCATCCTGCCAGGGCTACGGCAAGCCAGTGGACTGGTGGGCTATGGGGATCATTCTACGAGT



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TCCTGGTGGGCTGTGTGCCTTTCTTCGGGGATACCCAGAAAGAGCTCTTTGGACAGGTCATCAGCGATGA
 CATACTGTGGCCTGAAGGGGACGAGGCCCTGCCACAGATGCACAGCTTCTAATATCTAGCCTCTTGAC
 ACCAACCCCTGGTCCGGCTTGGGGCAGGTGGTGTCTTTGAGGTGAAGCAGCATAGTTTCTTCCGAGACC
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 GAGCCCGTGGAGATCCGCCAATTCTCCTCTGCTCGCCGCGCTTACAGCAAGGTGTACAGCAGTATGGAGC
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 GGCAAAGTTATCAAGTCGGCTTACGTACAGCCTTGTGAGTCATGATTCTGCAGTGGACCCACATGGAG
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 TAGCCGAGACTACTCACCAGCTGTGAGTGGACTCCGTTCCCCATCACCATCCAACGCTCAGGCAAGAAA
 TATGGGTTCACTGCGAGCCATCCGTGTCTACATGGGCGACTCCGATGTCTACAGTGTCCACCACATTG
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 TCTCTTTGGAAGATCACAAAGCAGTCAACCTGCTGCACACAGTGCATCGTGTCTCTTTGAACCGG
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 GCTATCGTCTACACCTGACTCCGCTACTTAGGCGCCTCGTACAGAGTAGCTCGCCAGCTTCCAGCAC
 GCCTAATCCCCGCTCATCCGCTCGCACCACATCAGGCCAGCACCTTGACGGGCTGTACCAGAAA
 CTACACCGCCAGTACCGCTCAGCGCGTGTAAATCGGCTGGCAACATCCCCTGTACCTTAGCGCACA
 CACCATCCCCGACGAGGCGTCCGCGCCGCGTCCAGGCCACACGGTGGGAGCTCACATACCACGCA
 GAGCTTCCCTGCCAAACTACACTCATCGCCACCTGTCTGCGCCCGCCGCCCCAAAAGTGCAGAGCCACCA
 CGCTCGCCGTTGCTCAAGCGGTGCAGTACGGGAGAACTAGGGGCTTCTGCTGGGAGCAGACAAGAAGG
 GCGCACTGCGCAACACAGCCTGGAAGTGGGACACCCTGATTTCCGAAAGGACTTCCATGGTGAAGTGGC
 CCTGCATAGCCTCGTGAAGTCTGATGGTGAAGCCTCCTATTGAGGGTCTGGGGGACCCGGCAGGTC
 GCCGTGCGACGCCTGGTTCGCCAGGAATCACCCCTAAGCTTGGGCGCGGACCCGTTGCTACCCGATGGT
 TCCAGAGACCTATGGCGTCAAGCAAGGAGGATCCGCGGGAGGTACAGAGGCTTGACCCCCACCTCGCGC
 GACAACCCTGGGAGCCGACCTGGAGCGTACTCGGTTGCACAAGGCACCAGAGCGTGCAGACTGAG
 GATGGCCAGGTGGGTTGGCCAGGGCCCTGGCCAAAGCAGCGCTAAGTCCAGTGCAGGAACATGAGACAG
 GCCGGCAGTAGCTCTGGTGAAGCAGGCACACCCCGGTGCCATTGTTGTAGAGCCTGCTCGGCCAGG
 GGTCAGAACCCAGGCACCCAGCCTCTGGGCACAGACTCCAAGGATTGAAGGAACCTGTAGCCAGATG
 CCTCTGATGCCTGATGCCCAAGGGGAGGGAGCGTGGGTGCTAGAGGAGGTGGAAGAGCGGACACGC
 TAAGCGGACTTCTGCTAAGCCCGCTCCCCAAACTCTCTCTGACCCCAAGACTCCAACCCTAGTCCC
 AACAAAGAATGTACCCCGCAGTGCAGCTCTTCACTCCACCTGCTTCCCTCATGGTCCCAGGCACCAAG
 CCTGAAGCAGGGTTGAACTCCCGGTGCTCTGCTGAAGCTGTGACTCCTGCAGGCCTCACCAAAAGTGGG
 CACCTAGCCCTGCATCTTAGGTCCATAGCGGAGCAGGCTTTCGGTGTGTGCTGTACAGATGCCTGTAT
 ACATATGTACACATATAAATAAAGTGCCCATGCTGCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_019945
Insert Size: 4713 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:	<ol style="list-style-type: none">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:	BC054524 , AAH54524
RefSeq Size:	4894 bp
RefSeq ORF:	4713 bp
Locus ID:	56527
UniProt ID:	Q9R1L5
Cytogenetics:	8 41.32 cM
Gene Summary:	Appears to link the dystrophin/utrophin network with microtubule filaments via the syntrophins. Phosphorylation of DMD or UTRN may modulate their affinities for associated proteins.[UniProtKB/Swiss-Prot Function]