

Product datasheet for **MC224591**

Mast2 (BC060703) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Mast2 (BC060703) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Mast2 |
| Synonyms: | MAST205; Mtssk |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >BC060703 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTTACTGGACTTAGTCCTCTGCTCTTCAGGAAGCTTAGTAATCCTGACATATTTGCACCCACTGGAA
AAGTTAACTCCAGCGACAACCTTAGTCAGGATGACTGTAAGTTACGGAGAGGAAGCCTGGCAAGTTCTCT
GTCGGGTAAAGCAGCTGCTCCCTTTGTCCAGCAGGTACACAGCAGTGTGGGACAGGTAACCTGGCAGTCT
ACAGGAGAAGCATCAAACCTGGTTTCAAGTGAAGAAACCAATCCCTTGGACAGTCTGCACCTCCCTTACGG
CTGGCTTGAAGGAATTGAGCCTTCCAAGGAGAGGCAGCTTTTGTGGGACAAGTAACCGCAAGAGCTTGAT
TGTAACCTCCAGCACATCACCTACGCTACCAAGGCCACACTCCCCACTCCATGGCCACACAGGTAACAGT
CCCTTGGACAGCCCCGGAAATTTCTCTCAAAATGCTCCTGCTCACTTTTCCTTCGTTCTGCCCCTGAGCC
ATGGCCACAGAACAGACAGGACTGATGGACGGCGCTGGTCTTTGGCCTCGTTGCCTTCTCAGGCTATGG
AACCAACTCCTAGCTCTACAGTCTCTCATCATGTTCTCACAAGAAAAGCTTCATCAGTTACCTTTC
CAGCCAACAGCTGATGAACACTACACTTTCTGACGAAGCATTTTAGCACAGAAAACGTACCAGATGAGGAGG
GACGTCGGTCCCAGCCATGCGGCCCGTTCCCGCAGCCTCAGTCTGGACGGTCCCAGTTTCTCTTGA
CAGTGAATAATAATGATGAATCATGTGTACAAAGAAAGATTCCCAAGGCCACTGCACAGATGGAAGAG
CGACTAGCTGACTTCATTTCTCTAACACTCCAGATAGTGTGTTGCCCTTGGCAGATGGAGCACTAAGCT
TTATTCATCATCAGGTGATTGAGATGGCCCGAGACTGCCTGGATAAATCTCGGAGTGGCCTCATTACGTC
ACACTATTTCTATGAACTTCAAGAGAAATTTGAAAAGCTTCTGCAAGATGCTCACGAACGCTCAGAAAGC
TCAGATGTAGCCTTTGTGATACAGCTGGTAAAAAAGTTGATGATCATCATTGCTCGCCAGCTCGCCTCC
TGGAATGCCTGGAGTTTGACCCTGAAGAATTTTACCACCTGTTAGAAGCAGCTGAAGGTCATGCCAAGA
GGGACATGGAATTAATGTGACATTCCTCGCTACATCGTTAGCCAGCTGGGCCTAACTCGGGATCCCTTG
GAGGAAATGGCCAGTTGAGCAGCTATGACAGTCCAGATACTCCAGAGACAGATGATTGAGTTGAGGTC
GTGGGGTATCTCAGCCATCTCAGAAGACCCCTCTGAAGAGGACTTTGAAACCATTAAGCTCATCAGCAA
TGGCGCCTATGGGGCTGTCTTTCTGGTGCAGCACAAGTCCACGCGGCAGCGCTTTGCAATGAAGAAGATT
AATAAGCAAAACCTAATCCTACGGAACAGATCCAGCAAGCATTGTGGAACCGACATACTGACTTTCC



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CTGAAAACCCCTTTGTGGTCAGCATGTTCTGCTCCTTTGAGACCAAGCGTCACTTATGCATGGTATGGA
 ATACGTAGAAGGGGGAGACTGTGCCACTCTGCTCAAGAACATCGGGGCCCTACCTGTGGACATGGTACGC
 CTGTACTTTGCGGAACTGTGCTGGCTTTGGAATACTTACACAACACCGCATCGTGACCCGTGACCTCA
 AGCCTGACAACCTTCTGATTACATCCATGGGACACATCAAACCTACTGACTTTGGACTTTCTAAAATCGG
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 ACTGGTGGGCCATGGGCATAATCCTGTATGAGTTCCTGGTGGTTCGCTCCCTTTCTTTGGAGACACTCC
 GGAGGAGCTCTTTGGGCAAGTGATCAGTGATGAGATCGTGTGGCCGAAGGTGATGACCGCTTCCCCCA
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 CAAGTTTACAGTACGATGGAACGGCTTCCCTGCTTGAGGAACGCCGACACCACCTCC
 AACCAAGCGCAGCCTCAGTGAGGAAAAGGAAGTCACTCAGACGGCTTGGCAGGACTGAAGGGCCGAGAT
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 TGAGGAGACTAGTAGCACCCCTCGGAAGCAACAACAGGAAGTATATGGTCTCATTCCCCCATCTGGA
 GAGGGTCTATAGGCCTGTTCTGAACGACCGTTGGAGAGGCAACTGAAGCTGGATGAGGAGCCTCCTG
 GCCAAAGCAGTCGGTGTGCCCAGCCCTGGAGACACGAGGCCGTGGGACCCCTCAGCTAGCTGAGGAAGC
 TACAGCCAAAGCCATCAGCGACCTAGCTGTGCGTAGGGCCGTCACCGGCTGCTCTGAGGACTCTATA
 GAGAAGCGCACCCTCGCCCTGTCAACAAAGTAAATCAAGTCAGCCTCAGCTACGGCCCTTCCCTCCTCA
 TTCCTTCAAGAACCATGCTGCTCACCATTGGCCAGCCCTATGTCCCAACATCCAGTCATCCCAATCC
 ATCATCCAGGACTCTTCTCAAGCAGGACTTCTTCCAGCCCTTGGCAGCTTGGAGGCTCCCATCATC
 ATCCACCGAGCTGCAAGAAGTATGGCTTACCCTGCGGGCCATTGAGTCTACATGGGTGACACTGATG
 TCTACACCGTACACCACATGGTGTGGCATGTGGAGGATGGTGGTCCAGCCAGTGAAGCAGGGCTTCGTCA
 GGGTGACCTCATCACCATGTCAATGGTGAAGCTGTGCATGGGCTAGTCCACACAGAAGTGGTGGAGCTG
 GTTCTGAAGAGTGGAAACAAGGTATCAATTTCAACAACCTCCCTTGGAGAACACGTCAATCAAAGTGGGGC
 CAGCTAGGAAAGGCAGCTATAAGCCAAGATGGCCGAAGGAGCAAAACGGAGCAAAGGCAAGGATGGGCA
 AGAAAGCCGAAAAGAAGCTCCCTATCCGAAAATCACAAGCAGGCCTCCTTGTCCACACCAGCCGC
 AGCCTTTCTCCCTTAACCGCTCCTTGTATCAGGGGAGAGTGGTCCAGGCTCTCCACACACAGCCACA
 GCCTCTCTCCAGATCTCCTCCTCAGGGATACCGGTAGCCCAAGATGCTGTGCACTCAGGAGGGAATTC
 CTCGACAGCAGCTCTCCAGCTCCAGTGTGCCAGTTCTCCTGCTGGCTCTGGACATACACGGCCAGC
 TCTCTTACGGTCTGGCACCCAAGCTCCAACGCCAATACCGCTCACACCGGCGAAGTCAGCAGGCAAGCA
 TCCCACTGTACCGTTGGCCACACCCCTTCCCAACCAGCAACGGCAGCTTACCTCAGCGTTCCCCATC
 ACCCTTGTCTGGCCATGGGTCTCAGTCTTTCTACCAAACCTCACTTGTCTCCTCCGCTAGGTAGGCAG
 CTCTCACGGCCCAAGAGTGCAGAGCCACCCCGCTCCTCCCTACTTAAGAGGGTGCAGTCTGCTGAGAAGC
 TGGCGGCTGCACTGGCAGCTGCTGAGAAGAAGTTAGCACCTTCCCGCAAACATAGTCTTGACCTGCCCA
 TGGTGAACATAAAGAAGGAACTGACACCCAGGGAAGCCAGCCCTCTGGAGGTAGTTGGAACCAGAAGTGTG
 CTATCCGGGAAAGGGCCACTTCCAGGAAAGGGGTACTGCAGCCTGCTCCTTACGGGCCCTTGGGACCC
 TACGGCAGGATCGAGCTGAACGCCGTGAGTCACTGCAAAAACAAGAAGCAATCCGGGAAGTAGACTCCTC
 AGAAGATGACACTGATGAGGAGCCTGAGAACAGCCAGGCCACACAGGAGCCAAGATTGTCCCCCACCCA
 GAAGCAAGCCACAATCTACTCCCTAAAGGTTTCAAGAGGGTACAGAAGAGGACACTTTCTTGCACAGGG
 ATCTAAAGAAGCAGGGCCCTGTACTCTCAGGTCTAGTGACAGGGGCCACACTAGGCTCCCCCGAGTAGA
 CGTTCTGGGCTCTCCCAAGGAAGCTCAGCAGGCCACAAGCCTTTGAGGAAGCTACCAACCCCTTACAA
 GTCCCTAGCCTGAGCAGGTCTGGACCCACAAGCCCAACCCCTCTGAAGGCTGCTGGAAGGCCAGCACC
 TCCACACACAGGCACTAACTGCACTTTGTCCCAGCTTTTTCAGAACTTACCCTACCGGTTGTTCTGCTGC
 CACCTCCACCTCTGGAAGCCAGGGACATGGTCTGGAATTCCTTATTGAGGGTCCAGACAGAGCATCC
 ACGAACAAGACCATAAACAAGGAAAGGTGAACCAGCTAACTCCCAAGATACGAATACCACGGTCCCAATC
 TTCTGAAGAACCTGTCTCCTGAGGAGGAGAAGCCACAGCCACCAAGTGTGCTGGGCTGACCCATCCGCT
 TCTTGAGGTCCCCAGCCAGAAGTGGCCATGGGAGTCTGAATGTGAACAAATGGAGAAGAAGAACCATCC
 CTGAGCATCACCGAAGTGCCTGATTCTCAGGCGACAGGAGGCAGGACATTCATGACAGAGCCACCCCC
 TGAGCCGAGAACCAGCCAGCCTGCTCTGAAAAGCCAAGAAGTGGGGCCAGCAAGATCATCAGGA

CTTAGCACTGACATCAGATGAGCTCTTAAAGCAAACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

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|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | BC060703 |
| Insert Size: | 5220 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: | <u>BC060703</u> , <u>AAH60703</u> |
| RefSeq Size: | 5315 bp |
| RefSeq ORF: | 5219 bp |
| Locus ID: | 17776 |
| Cytogenetics: | 4 D1 |
| 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. Functions in a multi-protein complex in spermatid maturation. Regulates lipopolysaccharide-induced IL-12 synthesis in macrophages by forming a complex with TRAF6, resulting in the inhibition of TRAF6 NF-kappa-B activation.[UniProtKB/Swiss-Prot Function] |