

Product datasheet for **MG212074**

Mast2 (BC060703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mast2 (BC060703) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mast2
Synonyms:	MAST205; Mtssk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212074 representing BC060703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTACTGGACTTAGTCCTCTGCTCTTCAGGAAGCTTAGTAATCCTGACATATTTGCACCCACTGGAA
AAGTTAACTCCAGCGACAACCTAGTCAGGATGACTGTAAGTTACGGAGAGGAAGCCTGGCAAGTTCTCT
GTCGGGTAAAGCAGCTGCTCCCTTTGTCCAGCAGTGTACACAGCAGTGTGGGACAGGTAACCTGGCAGTCT
ACAGGAGAAGCATCAAACCTGGTTCGAATGAGAAAACCAATCCCTTGGACAGTCTGCACCTCCCTTACGG
CTGGCTTGAAGGAATTGAGCCTTCCAAGGAGAGGCAGCTTTTGTGCGACAAGTAACCGCAAGAGCTTGAT
TGTAACCTCCAGCACATCACCTACGCTACCAAGGCCACACTCCCCACTCCATGGCCACACAGGTAACAGT
CCCTTGGACAGCCCCGGAATTTCTCTCAAATGCTCCTGCTCACTTTTCTTCTGCTTCTGCCCGTAGCC
ATGGCCACAGAACAGACAGGACTGATGGACGGCGCTGGTCTTTGGCCTCGTTGCCTTCTTCAGGCTATGG
AACCAACTCCTAGCTCTACAGTCTTTCATCATGTTCCCTCACAAAGAAAAGCTTCATCAGTTACCTTTC
CAGCCAACAGCTGATGAACACTTTCTGACGAAGCATTTTAGCACAGAAAACGTACCAGATGAGGAGG
GACGTCGGTCCCCAGCCATGCGGCCCGTTCCCGCAGCCTCAGTCTGGACGGTCCCCAGTTTCTTTGA
CAGTGAATAATAATGATGAATCATGTGTACAAGAAAAGATTCCCCAAGGCCACTGCACAGATGGAAGAG
CGACTAGCTGACTTCATTTCTCTAACACTCCAGATAGTGTGTTGCCCTTGGCAGATGGAGCACTAAGCT
TTATTCATCATCAGGTGATTGAGATGGCCGAGACTGCCTGGATAAATCTCGGAGTGGCCTCATTACGTC
ACACTATTTCTATGAACCTCAAGAGAATTTGAAAAGCTTCTGCAAGATGCTCACGAACGCTCAGAAAGC
TCAGATGTAGCCTTTGTGATACAGCTGGTAAAAAGTTGATGATCATCATTGCTCGCCAGCTCGCCTCC
TGGAAATGCCTGGAGTTTGACCCTGAAGAATTTTACCACCTGTTAGAAGCAGCTGAAGGTCATGCCAAAGA
GGGACATGGAATTAATGTGACATTCCCCGCTACATCGTTAGCCAGCTGGGCCTAACTCGGGATCCCTTG
GAGGAAATGGCCAGTTGAGCAGCTATGACAGTCCAGATACTCCAGAGACAGATGATTGAGTTGAGGTC
GTGGGTATCTCAGCCATCTCAGAAGACCCCTCTGAAGAGGACTTTGAAACCATTAAGCTCATCAGCAA
TGCGCCATGAGGCTGTCTTTCTGGTGGGCACAAGTCCACGGCAGCGCTTTGCAATGAAGAAGATT



[View online »](#)

AATAAGCAAAACCTAATCCTACGGAACCAGATCCAGCAAGCATTGTGGAACGCGACATACTGACTTTCCG
 CTGAAAACCCCTTTGTGGTCAGCATGTTCTGCTCCTTTGAGACCAAGCGTCACTTATGCATGGTATGGA
 ATACGTAGAAGGGGGAGACTGTGCCACTCTGCTCAAGAACATCGGGGCCCTACCTGTGGACATGGTACGC
 CTGTACTTTGCGGAACTGTGCTGGCTTTGGAATACTTACACAACACGGCATCGTGCACCGTGACCTCA
 AGCCTGACAACCTTCTGATTACATCCATGGGACACATCAAACCTCACTGACTTTGGACTTTCTAAAATCGG
 CCTCATGAGTTTGACAACCACTTGTATGAGGGTCATATTGAAAAGGATGCCCGGGAGTTCTAGACAAG
 CAGGTATGCGGGACCCCGGAATACATAGCACCTGAGGTGATCCTGCGTCAGGGATATGGGAAGCCAGTGG
 ACTGGTGGGCCATGGGCATAATCCTGTATGAGTTCCTGGTGGGTTGCGTCCCTTTCTTTGGAGACACTCC
 GGAGGAGCTCTTTGGCAAGTGATCAGTGATGAGATCGTGTGGCCGAAGGTGATGACGCGCTTCCCCCA
 GATGCCCAAGACCTCACTTCAAACCTGCTTCATCAGAATCCACTAGAAAGACTGGGCACAAGTAGTGCTT
 ATGAAGTGAAGCAGCACCCATTCTTCATGGGTCTGGACTGGACAGGACTTCTACGGCAGAAGGCTGAATT
 TATACCTCAGCTGGAGTCAGAGGATGACACCAGCTACTTTGATACCCGTTGAGAAGCATAACCACATGTG
 GACTCTGAGGATGAGGAGGAAGTGAAGTGGATGGCTGCCTTGAGATTGCGCAGTTTTCTCCTGCTCTC
 CAAGTTTACAGTACGATGGAACGGCTTTCCCTGCTTGAGGAACGCCGGACACCACCTCC
 AACCAAGCGCAGCCTCAGTGAGGAAAAGGAAGTCACTCAGACGGCTTGGCAGGACTGAAGGGCCGAGAT
 CGCAGCTGGGTGATTGGTCCCTGAGATATTACGGAAGCGGTTATCTGTGTCCGAGTATCCCACACAG
 AGAGTGATTTCGAGTCTCCAATGACAGTGCACATCGGTGTTGAGGCTCCAGATGGGCCTCATTGCCC
 TGAGGAGACTAGTAGCACCCCTCGAAGCAACAACAGGAAGTATATGGGTCTCATTCCCCATCTGGA
 GAGGGTCTATAGGCTGTTCTGAACGACCGTTGGAGAGGCAACTGAAGCTGGATGAGGAGCCTCCTG
 GCCAAAGCAGTCGGTGTGCCCAGCCCTGGAGACACGAGGCCGTGGGACCCCTCAGTAGCTGAGGAAGC
 TACAGCCAAAGCCATCAGCGACCTAGCTGTGCGTAGGGCCCGTACCAGGCTGCTCTGAGGACTCTATA
 GAGAAGCGCACCCTCGCCCTGTCAACAAGTAATCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 TTCTTTCAGAACACCATGCTGCTCACCATTGGCCAGCCCTATGTCACCATCCCAATCCCAATCC
 ATCATCCAGGGACTCTTCTCAAGCAGGACTTCTTGGCAGCCCTTGGCAGCTTGAGGCCTCCCATC
 ATCCACCGAGCTGGCAAGAAGTATGGCTTACCCTGCGGGCCATTGAGTCTACATGGGTGACACTGATG
 TCTACACCGTACACCACATGGTGTGGCATGTGGAGGATGGTGGTCCAGCCAGTGAAGCAGGGCTTCGTC
 GGGTGACCTCATCACCATGTCAATGGTGGAGCCTGTGCATGGGCTAGTCCACACAGAAGTGGTGGAGCTG
 GTTCTGAAGAGTGGAAACAAGGTATCAATTTCAACAACCTCCCTGGAGAACACGTCAATCAAAGTGGGGC
 CAGCTAGGAAAGGCAGCTATAAAGCCAAGATGGCCGAAGGAGCAAAACGGAGCAAAGGCAAGGATGGGCA
 AGAAAGCCGAAAAGAAGCTCCCTATTCGGAAAATCACAAAGCAGGCCCTCTTGTCCACACCAGCCGC
 AGCCTTTCTCCCTTAACCGCTCCTTGTATCAGGGGAGAGTGGTCCAGGCTCTCCACACACAGCCACA
 GCCTCTCTCCAGATCTCCTCCTCAGGGATACCGGTAGCCCCAGATGCTGTGCACTCAGGAGGGAATTC
 CTCGACAGCAGCTCTCCAGCTCCAGTGTGCCAGTTCTCCTGCTGGCTCTGGACATACACGGCCAGC
 TCTCTTACGGTCTGGCACCCAAGCTCCAACGCCAATACCCTCACCACGGCGCAAGTCAAGCAGGCGAGCA
 TCCCACTGTACCGTTGGCCACACCCCTTCCCAACCAGCAACGGCAGCTTACCTCAGCGTTCCCATC
 ACCCTTGTCTGGCCATGGGTCTCAGTCTTTCTACCAAACCTCACTTGTCTCCTCCGCTAGGTAGGCGAG
 CTCTCACGGCCCAAGAGTGCAGAGCCACCCCGCTCCTCCTACTTAAGAGGGTGCAGTCTGCTGAGAAGC
 TGGTGAACCTAAAGAAGGAACTGACACCCAGGGAAGCCAGCCCTTGAGGATAGTTGGAACCAAGAAGTGTG
 CTATCCGGGAAAAGGGCCACTTCCAGGAAAAGGGGTACTGCAGCCTGCTCCTTACGGGCCCTTGGGACCC
 TACGGCAGGATCGAGCTGAACGCGGTGAGTCACTGCAAAAACAAGAAGCAATCCGGGAAGTGAAGTCTCTC
 AGAAGATGACACTGATGAGGAGCCTGAGAACAGCCAGGCCACACAGGAGCCAAGATTGTCCCCCACCCA
 GAAGCAAGCCACAATCTACTCCCTAAAGGTTTCAAGGAGGGTACAGAAGAGGACACTTTCTTGCACAGGG
 ATCTAAAGAAGCAGGGCCCTGTACTCTCAGGTCTAGTGACAGGGGCCACACTAGGCTCCCCCGAGTAGA
 CGTTCTGGGCTCTCCCCAAGGAAGCTCAGCAGGCCACAAGCCTTTGAGGAAGCTACCAACCCCTTACAA
 GTCCCTAGCCTGAGCAGGTCTGGACCCACAAGCCCAACCCCTCTGAAGGCTGCTGGAAGGCCAGCACC
 TCCACACACAGGCACTAACTGCATTTGTCCAGCTTTTTCAGAACTTACCCTACCGGTTGTTCTGCTGC
 CACCTCCACCTCTGGAAGCCAGGGACATGGTCTGGAATTCCTTATTGAGGGTCCAGACAGAGCATCC
 ACGAACAAAGACATAACAAGGAAAGGTGAACCAGCTAACTCCCAAGATACGAATACCACGGTCCCAAATC
 TTCTGAAGAACCTGTCTCCTGAGGAGGAGAAGCCACAGCCACCAAGTGTGCCTGGGCTGACCCATCCGCT
 TCTTGAGGTCCCCAGCCAGAAGTGGCCATGGGAGTCTGAATGTGAACAAATGGAGAAAGAAGAACCATCC
 CTGAGCATCACCGAAGTGCCTGATTCTCAGGGCAGAGGAGGCAGGACATTCATGCAGAGCCACCCCC

TGAGCCCAGAAACCCGGCCAGCCTGCTCTGAAAAGCCAAGAAGCTTGGGGGCCAGCAAGATCATCAGGA
CTTAGCACTGACATCAGATGAGCTCTTAAAGCAAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212074 representing BC060703
Red=Cloning site Green=Tags(s)

MVTGLSPLLFRKLSNPDI FAPTGVKLRQLSQDDCKLRRGSLASSLSGKQLLPLSSSVHSSVGVQVTWQS
TGEASNLVRMRNQLGQSAPSLTAGLKELSLPRRGSFCRTSNRSLIVTSSTSPPLRPHSPLHGHTGNS
PLDSPRNFSNAPAHFSFVPARSHGHRDTRDGRRWLASLPSSGYGTNTPSSTVSSSCSSQEKHLQLPF
QPTADELHFLTKHFSTENVPDEEGRSPAMRPRSRLSPGRSPVDFDSEIIMNHVYKERFPKATAQMEE
RLADFISSNTPDSVLPADGALSFIIHQVIEMARDCLDKSRSLITSHYFYELQENLEKLLQDAHERSES
SDVAFVIQLVKKLMII IARPARLLECLFDPEEFYHLLAAEGHAKEGHGKCDIPRYIVSQLGLTRDPL
EEMAQLSSYDSPDTPETDSDVEGRGVSQPSQKTPSEEDFETIKLISNGAYGAVFLVRHKSTRQRFAMKKI
NKQNLILRNQIQQAFVERDILTF AENPFVSMFCSFETKRHL CMVMEYVEGGDCATLLKNIGALPVMVR
LYFAETVLAL EYLHNYGIVHRDLKPDNLLITSMGHKLTDFGLSKIGLMSLTNNLYEGHIEKDAREFLDK
QVCGTPEYIAPEVILRQGYGKPDWAMGII IYFLVGCVPFFGDTPEELFGQVISDEIVWPEGDDALPP
DAQDLTSKLLHQNPLERLGTSSAYEVKQHPFFMGLDWTGLLRQKAEFIPQLESEDDTSYFDTRSERYYHV
DSEDEEVESEDGCL EIRQFSSCSPRFSKVYSSMERLSLLEERTPPPTKRSLSEEKEDHSDGLAGLKGRD
RSWVIGSPEILRKRLSVSESSHTESDSSPPMTRHRCSGLPDGPHCPEETSSTPRKQQQEGIWVLI PPSG
EGSSRPVPERPLERQLKLD EEPGQSSRCCPALETRGRGTPQLAE EATAKAI SDLAVRRARHRLLSGDSI
EKRTTRPVNKVIKSASATALSLLIPSEHHACSPLASPMSPHSQSSNPSSRDSSPSRDFLPALGSLRPII
IHRAGKKYGFTLR AIVYMGD TDVYTVHMHVWHVEDGGPASEAGLRQGD LITHVNGEPVHGLVHTEVVEL
VLKSGNKVSI STPLENTSIKVGPARKGSYKAKMARRSKRSKGDGQESRKRSSLFRKITKQASLLHTRS
SLSSLNRLSSGSESGPSTHSHLSRSPPPQGYRVAPDAVHSGGNSSQSSSPSSVPS SPAGSGHTRPS
SLHGLAPKLQRQYRSPRRKSAGSIPLSPLAHTPSPATAASPQRSPSPLSGHGSQSFPTKLHLSPPLGRQ
LSRPKSAEPPRSPLLKRVQSAEKLAALAAA EKKLAPSRKHSLDLPHGELKKELTPREASPLEVVGTRSV
LSGKGPLPGKGVLPAPSRLGTLRQDRAERRESLQKQEAIREVDSSEDDTDEEPENSQATQEPRLSPHP
EASHNLLPKGSGEGTEEDTFLHRDLKKQGPVLSGLVTGATLGS PRVDV PGLSPRKL SRPQAFEEATNPLQ
VPSLSRSGPTSPTPSEGCWKAQHLHTQAL TALCPSFSEL TPTGCSAATSTSGKPGTWSWKFLIEGPDRA
TNKTITRKGEPANSQDTNTTVPNLLKNLSPEEEKPQPPSV PGLTHPLLEVP SQNWPWESECEQMEKEEPS
LSITEVPDSSGDRRQDIPCRAHPLSPETRPSLLWKSQELGGQDHDQLALTSDELLKQT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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: [BC060703.1](#)

RefSeq Size: 5315 bp

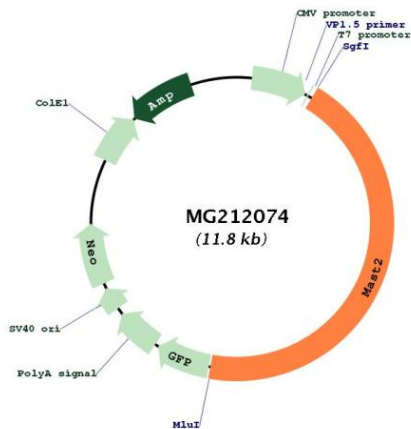
RefSeq ORF: 5219 bp

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]

Product images:



Circular map for MG212074