

Product datasheet for **MC222792**

Mdga1 (NM_001081160) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdga1 (NM_001081160) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mdga1
Synonyms:	1200011I03Rik; GPIM; Mamdc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222792 representing NM_001081160

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGTGACCTGTCTTCTACTTCTGGCGCTTATCCCCTTCCACTGTCGGGGACAAGGAGTCTATGCTC
 CAGCCCAGGCCAGATTGTGCATGCGGGGCAGGCCTGTGTGGTGAAGGAGGATAACATCAGCGAGCGGGT
 CTACACCATCCGGGAGAGCGACACCCTGGTGTGCACTGCTGGTCAAGGACACCCCTCGGCCAGGTG
 CGGTGGACCAAACTGCCGCGAGCGCATCGGACAAGTTCCAGGAGACGTGGTCTTCAATGAGACTCTGC
 GGATCGAGCGCATCGACGCAGCGAGGAGGTGCTACTACTGCAAGGCGGAGAACGGAGTGGCGTGCC
 GGCCATCAAGTCTATCCGCGTGGACGTGCACTTGGATGAGCCTGTGCTAACGGTGCATCAGACAGTG
 AGCGATGTCCGAGGCACTTCTACCAGGAGAAGACCGTGTTCACGCTGTACCGTCAGTCCAACCCGC
 CCGCCCGCTTATCTGGAAGCGGGCTCCGACACCCTGTCCACAGCCAGGATAATGGGGTTGACATCTA
 CGAGCCTCTCTATACTCAGGGGGAGACGAAGTCTGAAGCTGAAGAACCTGCGGCCCAAGACTATGCC
 AGCTACACCTGCCAGGTGTCCGTGCGCAATGTGTGCGGCATCCCAGACAAGGCTATCACCTTCCAGCTCA
 CCAACACCACGGCACCTCCAGCCTTGAAGCTGTCTGTGAACGAACTCTGGTGGTGAACCTGGGGAGAA
 CGTGACAGTGCAGTGTCTGCTGACGGGCGGCGATCCCCTCCCCAGCTGCACTGGTCCCACGGACCTGGC
 CCACTGCCCTGGGTGCTCTGGCTCAGGGTGGTACCCTCAGCATCCCTTCAGTGCAGGCCCGGATTCTG
 GCTACTACAATGCACAGCCACCAACAATGTAGGCAACCCAGCTAAGAAGACCGTCAACCTGCTGGTGCG
 ATCCCTGAAGAACGCCACATTCAGATCACCCCGACATGATCAAAGAAAGCGAGAACATTCAACTCGGT
 CAGGACCTGAAGCTGTATGCCATGTGGATGCGGTGCCCGAGGAGAAGGTGAACATCAGTGGTTAAAA
 ACGGCAAGCCGGCACGCACATCCAAGCGGCTGCTGGTGACCCGAAATGACCCGAGTTGCCCGCTGTAC
 CAGCAGCCTGGAGCTCATTGACCTGCACTTCAGTGACTACGGCACTTATCTGTGCATGGCTTCCTCCCA
 GGGTCACCAAGTGCCTGACCTCAGCATAGAGGTCAACATTTCTCAGAGACAGTACCACCCACCATCAGTG
 TGCCCAAGGGCCGAGCAGTGGTGACAGTGAGGGAGGGCTCTCTGCTGAGCTCCAGTGCGAAGTTCGTGG
 CAAGCCCCGGCTCCAGTGCTATGGTCTCGGGTGGACAAGGAGGCCGCCCTTCTGCCCTCGGGGCTGGCC
 CTGGAGGAGACTCCGGATGGGAAGCTGCGGCTGGAGAGTGTGAGCCGCGACATGAGCGGCACCTACCGCT
 GCCAGACAGCTCGCTACAATGGTTCAACGTACGACCCCGGAGGCTCAGGTGCAGCTGACAGTGCATCT
 TCCTCCAGAGGTGGAGCCAGTTCACAGGACGTGCGCCAGGCGCTGGGCCGGCTGTGCTCTGCGCTGC
 TCGCTTCTGCGTGGCAGTCTCAGCGCATCGCCTCGGCCGTGTGGCGCTTCAAAGGACAGCTGCTGCCCC
 CACCGCCTGTTCTCCCCGCGCTGCTGTGGAGACCCCGATCACGCCGAGCTGCGCTGGACGCCCTGAC
 CCGTGACAGCAGCGGCAACTACGAGTGCAGCGTCTCAAACGACGTGGGCTCAGCCACCTGCCTCTCCAG
 GTCTCCGCCAAGCCTACAGCCCGAGTCTTACTTCGACACCCCAACCCACCCGACGCCACAAGCTGT
 CCAAGAATTACTCCTATGTGCTACAGTGGACACAGAGAGAGCCCGATGCTGTGGACCCCGTGTCTCAACTA
 CAGACTCAGCATCCGACAGTTGAACCAGCACAATGCCATGGTCAAGGCCATCCCCGTTCTGCTGTGGAG
 AAGGGACAGCTGCTGGAGTATATCTTGACTGACCTCCGAGTACCCACAGCTATGAGATCCGCCTCACAC
 CCTACACCACCTTTGGGGCTGGTGACATGGCTTCCCGCATCATCACTACACAGAGCACAACACCTGTCA
 CTTTGAGGATGAGAAAACTGCGGCTACACCCAGGATCTGACAGACAACCTTGACTGGACGCGGCAGAA
 TGTCTTACCCAGAACCCCAAGCGCTCTCCTAATACTGGGCCCTTACTGACATCAGTGGACCCCTGAAG
 GCTATTACATGTTTATTGAGACATCCAGACCCAGGAGTGGGGGACCGTGAAGGCTGGTGAAGTCCCT
 GTACAACGCCAGTGCCAAGTTCTACTGTGTCTCTTTCTTCTACCACATGTATGGGAAACACATCGCTCC
 CTCAACCTTCTGGTGCGTCCAGGAACAAAGGCACTCTAGACACGCATGCCTGGTCCCTCAGTGGCAATA
 AGGGTAACGTGTGGCAGCAGGCCATGTACCCATTAACCCAGTGGGCCCTTCCAGATTATTTTGGAGG
 GGTTGAGGCTCGGGCTACCTGGGGATATTGCCATAGATGATGTCACTGAAGAAGGGAGAGTGTCCC
 CGGAGGCAGATGGATCCCAACAAAGTGGTTGTGATGCCAGGCAGCGGAGCCACGCCTGTCCAGCCTGC
 AACTTTGGGGATCCATGGCCATCTCTCTTGGCGTTGCAAGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001081160
Insert Size:	2847 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081160.1, NP_001074629.1</u>
RefSeq Size:	7566 bp
RefSeq ORF:	2847 bp
Locus ID:	74762
Cytogenetics:	17 A3.3
Gene Summary:	Required for radial migration of cortical neurons in the superficial layer of the neocortex. Plays a role in the formation or maintenance of inhibitory synapses. May function by inhibiting the activity of NLGN2.[UniProtKB/Swiss-Prot Function]