

## Product datasheet for **MG225199**

### Mamdc4 (NM\_001081199) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mamdc4 (NM_001081199) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mamdc4
Synonyms:	Gm995
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225199 representing NM_001081199 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGCCTGCCTAGCCACCTTCTTTCAACCTGGGTCTGTTTATGGTTACCCTGCCAGCTGCACAGTCGC  
TAGGCAAGACCTGGCTCCCCAACCTGCAGAAGCCCCATCAAAGCTGTATGCAACTTTGTGTGACTG  
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TGCAACTTTGAGCAGGACTCCTGTGGCTGGCAGGACATCAGCACCTCAGGCTATCGATGGCTTCGAGACC  
GGCAGGGGCAGTGTGCATGGTCTGGCCTCATTCTGACCATACACATGGCACTGACTTGGGCTGGTA  
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GCAGCCCCACCTGTGAAGTGGGCTCTGGTACCACATTGCCCTAGAGATGTCGCTGAGCTGCGGCTGG  
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CACAGGGGCGCTGTGGCCTTGGATGATGTGGAGTCCGGGACTGTGGGCTACCCATCCCTCAGGCCAGGT  
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CAACTGTGGAGACAGATCTGATGAAGACCCACTCATCTGCAGCCACCACATGGCCACTGACTTTGAGACA  
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CACCCTGCTGTCTCTACAGCCCTGAGTTCAAAGGCTCAGTCTCCAACAACCTGCTCGTTACCTTCTAT  
TACTACCTGCACGGGCTGAGGCCAGCCACTTCCAGCTGTTCTCGAGGCACAGGGGCTCAACACCCCC  
AGGTCCCTGTTCTACTTCGAAGCCGCCATGGAGAAGTGGGACAGCCTGGGTGAGAGACCGGGTTGACAT  
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GACCTTATCATGTCTAGCCACTGCATGCTTGTCCAGCTATGTCCACCCTGCAGTCATCACTTTCTGGAC  
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GATGAACACAAGTGTGGCACCACAGACTTTGAGTCCGCCTCTGCTGGGGCTGGGAGGACATCAGTGTAG  
GGAAGCTGCAGTGGCAATGGGTTGAAGCCAGGAGAAGAGCAAGCCTGCCGGGATGCCAATCGGGATGC  
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CACTGCCCGGCCAGAGGAGTACAGATGCAGCAGCCTCTGGCTTGGCAATATCCTCTTCAATGCGGATC  
ATGTTACCTCCCAGAATCAATCACCAGCAACCCACAGAGCCCTCCAGACCTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225199 representing NM\_001081199  
 Red=Cloning site Green=Tags(s)

MCLPSHLLSTWVLFMVTLPAAQSLGKTWLPNHCRSPIKAVCNFVDCGDCSDETQCGFHGASTIPSTSFT  
 CNFEQDSCGWQDISTSQYRWLDRAGAVLHGPGPSHDHTGDLGWYMAVGTSHGKPESTATLRSPVMRE  
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 HRGAVALDDVEFRDCGLPIQARCPLGHHHCQNKACVEPHQLCDGEDNCGDRSDEDPLICSHHMTDFET  
 GLGPWNQLEGWTRNHSAGSMVSPAUPHRDHSRNSAYGFFLISVAKPGTTAVLYSPEFQGSVSNCSFTFY  
 YYLHGSEASHFQLFLQAQGLNTPQVPVLLRSRHGELGTAWVRDRVDIQSAHPFRILLAGETGPGGVVGLD  
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 NRWHQAWVTLHHQPEASTKYQLLFEGLRNGYHGTMALDDI AVRPGPCWAPKSCSFEDSDCGFSPGGWGLW  
 THQSNASGLASWGPWIDHTTGT AQGHYMVVDTSPNVLPKGHVAALTSEEHQPLSQPACLTFWYHMSVNP  
 GTLRVHVEESTRRQELSI SAHGRSAWRLGSYVNVQAEQAWKVVFVAAGVEYSYMALDDISLQDGPQP  
 GSCDFETGLCGWSHLPWPSLGGYSWDWSSGATPSRYPQPSVDHTLGEAGHFAFFETSVLPGGQAAWLR  
 SEPLPATTV SCLRFWYMGFPEHFYK GELRVLLSSARGQLAVWYQGGHLRDQWLQVQIELSNSEEFQIVF  
 EATLGGQPALGPIAIDDVQYLAGQQCKQSPSPSQGEVAAPVSVPPVAVGGALLFFMFLVLMGLGGWHWLQKQ  
 HCPGQRSTDAASGFANILFNADHVTLPE SITSNPQSPDLA

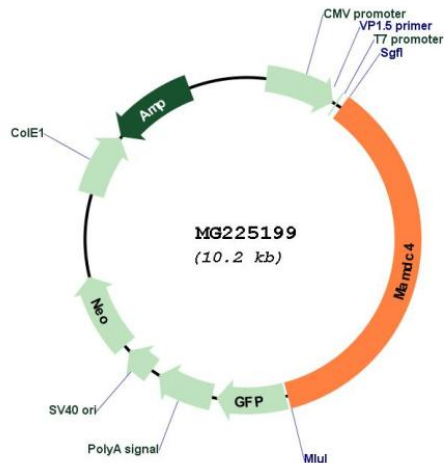
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001081199

**ORF Size:** 3696 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**RefSeq:** [NM\\_001081199.1](#), [NP\\_001074668.2](#)

**RefSeq Size:** 3990 bp

**RefSeq ORF:** 3699 bp

**Locus ID:** 381352

**Cytogenetics:** 2 A3