OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC217381

Mia2 (NM_177321) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mia2 (NM_177321) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mia2
Synonyms:	Ctage5; D12Bwg0579e; Mea6; Mgea; Mgea6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>MC217381 representing NM_177321
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAAGTCAGTGTTCAAAGAATCCTTCTTTTGGTTGTTTCTCTGGCCAAGTGTCTGGAGGGTACAA
AGTTGCTGGCACACCTTAAGAAGTGTGGTGACTTGGAATGTGAAACTTTGATCAGCCGAGTCTTAGCCCT
GAGAGATTACACAGGACCCGACTGTCGGTACCTGAACTTCACTACGGGAGAAGAGATATCTGTTTATGTT
AAACTTGGAGGAGACAGAGAAGATTTGTGGGCAGGAAGCAAAGGAAAAGACTTTGGATTTTTTCCCAGAG
ATGCAGTCGAGATTGAAGAGGTGTTCATATCTGAAGAAGTCGAAATGCCAACTAAATCTGACTTTCTTTG
TCTTCTTGGAGAAGGCTACATATTTGGAAGTGAACAGAGTGAATTAAACAGTGAAGATGATGAAGAACAT
ATGTACCCATATGAAAAAGATGAAGACCAAAACTATAATATATATGAGGGTGATTTTCAGCCAGAACCTG
ACTTATATGCAGCTGCTGAAGGGACTTTGTTGGAGGACCAAATTCCAGCATCCGAAGCTCCTGATGATTT
CCGATTCTCCAGTGAGTGGAAGGCCTGGGAAGGGGCTGGAAGCCAGGGTGGAGGGGAGCAGGATTACACT
GCAGACTCTGACCAAGACTTGCCATCCCTCAGTAAGCCAGAAAGGCAAGGATGGTTTGGCCTGGGGACAG
AAGAAGCTGAAGAGAAGGTTTTCGAATCAGATACTGAACCTACACAAGAATTAGCACTAGAAGAGGAGAG
TGACCTGGAGAAATTACACAGTGGCGAACCCCAAGTGGAACTTGAGCAAGAGCCAAAATCAGAGACATTA
GAATTCAGTTCAGTGCCGGACGAAGAGTATGAGCTAGAATCTGAGACGGAGAGTATCCTCAAACCCCAAG
CTTCTGGCTGGTTTGGTGAGGGCCTTACAAGTTATTTAGGTTTTGGAAATGAGGAGGCAGGACTTGAGTT
ATTGTCCAAAGAAAGCAATCCACCATTACAAGATATTCCCAGCTCTGTTCCACCAGATGAAGAAGTCCCG
GCTCCATGCAGAGAAATCTCAACAGACAAGGAAGATGCAGTCATTAATGATAGCTCGGTTCTCAGTCCAA
GCTGGTTTTACTATGGATTTGGTATGCTAGGCTTTACAAATGCCGACGAAGACAACATTGTTTCAGACAA
AGGAGAAAATGAAGATGGTGAGGTAGATAACCTCAAACATCCTATAGGAAGTGACTTTGACCCTGAAAAG
GAACAAGAAAGGAAAATAGTAACTGTGGAAACCGAAGACCAGGCAGGTACAGAAAGCGTCTTGGAGAAGA
CAGACGAGTCTGGTTCCATGCAGTATCTGAAGAAGTTCTTTGATAATCCTTGGGGCTTCCAGAGTCTCCC
AGAGGACACAGAATTACCATTTTCCAAAAAGATGCTGGATCAAGATGATATAGTAGAAAATGACAAAATT
GAAGAACTTTCCACTGAAAATTCTCCCACAGGTAGCATGAAAGACCCCGTGATGCTGGCGAGCAGATACG
TTCTGTCAGGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177321

Insert Size: 1554 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.
RefSeq:	NM_177321.2, NP_796295.1
RefSeq Size:	1628 bp
RefSeq ORF:	1554 bp
Locus ID:	338320
UniProt ID:	Q91ZV0
Cytogenetics:	12 C1
Gene Summary:	This gene encodes a protein that is involved in endoplasmic reticulum-to-Golgi trafficking and regulation of cholesterol metabolism. Three major classes of transcripts are generated from this gene- melanoma inhibitory activity 2-specific transcripts, cTAGE family member 5-specific transcripts and transcripts that include exons from both these transcript species. Additionally, alternative splicing in these transcripts results in multiple transcript variants encoding diverse isoforms. A mutation in this gene (couch-potato or cpto) may result in low levels of plasma cholesterol and triglycerides. [provided by RefSeq, Sep 2016]