

## Product datasheet for MR201647

### Mid1ip1 (NM\_026524) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mid1ip1 (NM_026524) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mid1ip1
Synonyms:	3110038L01Rik; Mig12; S14R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201647 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCAAACTCTGCGACACATAAACCAGAAGCACTCGCTCTTTAACGCCATGAATCGTTTCATTGGCG  
CGGTGAACAACATGGACCAGACGGTGATGGTGCCAGTCTGCTGCGCGACGTACCCCTGTCCGAGCCTGA  
GATAGACGAGGTACGGTGGAGGTAGGCGGCAGTGCGGGTGCCTGGAGGAGCGCACGACCCCGGCCCA  
AGCCCGGGCAGCGCAATGAAAGCTTTTCGCGCCCTCCCGGGACATGTACAGCCACTACGTGCTCCTCA  
AGTCCATCCGCAATGATATCGAGTGGGAGTCTGCACCAGCCTTCGTCTCCGCCGGCGGGAGCGAGGA  
GAGCACCTGGAAGCCCAAGGACATCCTGGTGGGCCTGAGTCACTTGGAGAGCGCGGATGCGGGCGAGGAA  
GATCTGGAGCAGCAGTTCACCTACCACCTGCGCGGGCTGCACACCGTGTCTCCAAACTACCCGAAAAG  
CCAACATCCTACCAATAGATACAAGCAGGAGATCGGCTTCAGTAATTGGGGCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR201647 protein sequence Red=Cloning site Green=Tags(s)
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MMQICDTYNQKHSLEFNAMNRFI GAVNNMDQTMVPSLLRDVPLSEPEIDEVSVEVGGSGGLEERTTPAP  
SPGSANESFFAPSRDMYSHYVLLKSI RNDIEWGLHQSSPPAGSEESTWPKDILVGLSHLESADAGEE  
DLEQQFHYHLRGLHTVLSKLRKANIL TNRYKQEIGFSNWDH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:	Sgfl-MluI
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**Cloning Scheme:**


**ACCN:** NM\_026524

**ORF Size:** 549 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\\_026524.3](#)

**RefSeq Size:** 2056 bp

**RefSeq ORF:** 549 bp

**Locus ID:** 68041

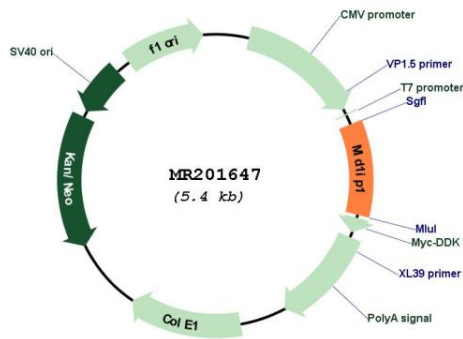
**UniProt ID:** [Q9CQ20](#)

**Cytogenetics:** X A1.1

MW: 20.4 kDa

**Gene Summary:** Plays a role in the regulation of lipogenesis in liver. Up-regulates ACACA enzyme activity. Required for efficient lipid biosynthesis, including triacylglycerol, diacylglycerol and phospholipid. Involved in stabilization of microtubules.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201647