

Product datasheet for **MG224540**

Mid1ip1 (NM_001166635) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mid1ip1 (NM_001166635) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mid1ip1
Synonyms: 3110038L01Rik; Mig12; S14R
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224540 representing NM_001166635
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCAAATCTGCGACACATATAACCAGAAGCACTCGCTCTTTAACGCCATGAATCGTTCATTGGCG
CGGTGAACAACATGGACCAGACGGTATGGTGCCAGTCTGCTGCGCGACGTACCCTGTCCGAGCCTGA
GATAGACGAGGTACGGTGGAGGTAGGCGGCAGTGCGCGTGCCTGGAGGAGCGCACGCCCGGCCCA
AGCCCGGGCAGCGCAATGAAAGCTTTTCGCGCCCTCCCGGACATGTACAGCCACTACGTGCTCTCA
AGTCCATCCGCAATGATATCGAGTGGGAGTCTGCACCAGCCTTCGTCTCCGCCGGCGGAGCGAGGA
GAGCACCTGGAAGCCCAAGGACATCCTGGTGGCCTGAGTCACTTGGAGAGCGCGGATGCGGGCGAGGAA
GATCTGGAGCAGCAGTTCACCTACCACCTGCGCGGGCTGCACACCGTGTCTCCAAACTACCCGAAAAG
CCAACATCCTACCAATAGATACAAGCAGGAGATCGGCTTCAGTAATTGGGGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224540 representing NM_001166635
Red=Cloning site Green=Tags(s)

MMQICDTYNQKHSLEFNAMNRFI GAVNNMDQTMVPSLLRDVPLSEPEIDEVSVEVGGSGGLEERTTPAP
SPGSANESFFAPSRDMYSHYVLLKSI RNDIEWGV LHQPSSPPAGSEESTWPKDILVGLSHLESADAGEE
DLEQQFHYHLRGLHTVLSKLTRKANIL TNRYKQEIGFSNWGH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

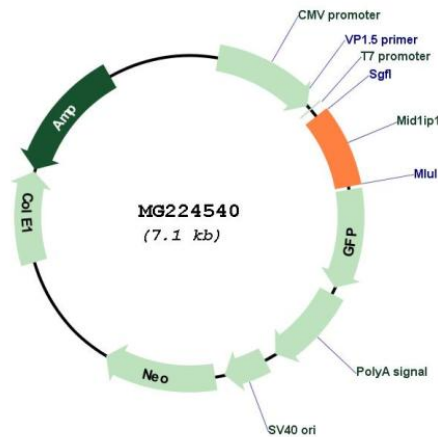


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001166635

ORF Size: 546 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:	<ol style="list-style-type: none">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:	<u>NM_001166635.1, NP_001160107.1</u>
RefSeq Size:	2059 bp
RefSeq ORF:	549 bp
Locus ID:	68041
UniProt ID:	<u>Q9CQ20</u>
Cytogenetics:	X A1.1
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]