

Product datasheet for **RR215492**

Mid1ip1 (NM_206950) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mid1ip1 (NM_206950) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mid1ip1
Synonyms: Mig12; S14R; slap
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215492 representing NM_206950
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGCAATCTGCGACACATAACAACGAGCAAGCACTCGCTCTTTAACGCCATGAATCGTTTCATTGGCG
CGGTGAACAACATGGACCAGACGGTGATGGTGCCAGTCTGCTGCGCGATGTACCCCTGTCCGAGCCGGA
TCTAGACAACGAGGTGAGCGTGGAGGTAGGCGGCAGTGGCAGCTGCCTGGAGGAGCGCACGCCCGGCC
CCAAGCCCGGGCAGCGCCAATGGAAGCTTTTTTCGCGCCCTCCCGGACATGTACAGCCACTACGTGCTGC
TCAAGTCCATCCGCAACGATATTGAGTGGGGAGTCTGCACCCAGCCTTCGTCCCCGCCGGCTGGGAGTGA
GGAGGGCACCTGGAAGCCCAAGGACATCCTGGTGGGCTGAGCCACTGGAGAGCACGGATGCGGGCGAG
GAAGATCTGGAGCAGCAGTTCCACTACCACCTGCGCGGGTGCACACCGTGTCTCCAAACTCACCCGCA
AAGCCAACATCCTTACCAACAGATAACAAGCAGGAGATCGGCTTCAGTAATTGGGGCCAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215492 representing NM_206950
Red=Cloning site Green=Tags(s)

MMQICDTYNQKHSLFNAMNRFIGAVNNMDQTMVPSLLRDVPLSEPDLDNEVSVEVGGSGSCLERTTPA
PSPGSANGSFFAPSRDMYSHYVLLKSIRNDIEWGVLHQPSPPAGSEEGTWKPKDILVGLSHLESTDAGE
EDLEQQFHYHLRGLHTVLSKLRKANILTNRYKQEIGFSNWDH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

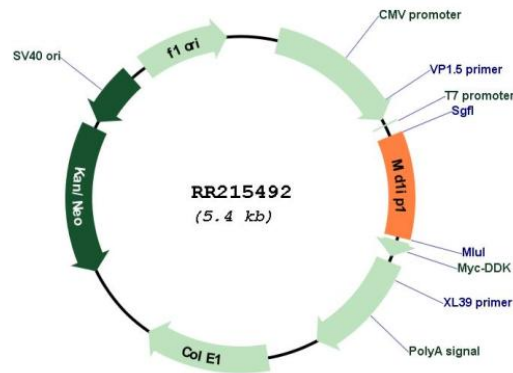
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_206950

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:	<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:	NM_206950.1 , NP_996833.1
RefSeq Size:	1925 bp
RefSeq ORF:	552 bp
Locus ID:	404280
UniProt ID:	Q6P7D5
Cytogenetics:	Xq12
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 (By similarity).[UniProtKB/Swiss-Prot Function]