

## Product datasheet for **RN215492**

### Mid1ip1 (NM\_206950) Rat Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Mid1ip1 (NM_206950) Rat Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | Mid1ip1   |
| Synonyms:                 | Mig12; S14R; slap   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >RN215492 representing NM_206950<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCAAATCTGCGACACATACAACCAGAAGCACTCGCTCTTTAACGCCATGAATCGTTTCATTGGCG  
CGGTGAACAACATGGACCAGACGGTGATGGTGCCAGTCTGCTGCGCGATGTACCCTGTCCGAGCCGGA  
TCTAGACAACGAGGTCAGCGTGGAGGTAGGCGGCAGTGGCAGCTGCCTGGAGGAGCGCACGCCCGGCC  
CCAAGCCCGGGCAGCGCAATGGAAGCTTTTTCGCGCCCTCCCGGACATGTACAGCCACTACGTGCTGC  
TCAAGTCCATCCGCAACGATATTGAGTGGGGAGTCTGCACCAGCCTTCGTCCCCCGGCTGGGAGTGA  
GGAGGGCACCTGGAAGCCCAAGGACATCCTGGTGGCCTGAGCCACTGGAGAGCACGGATGCGGGCGAG  
GAAGATCTGGAGCAGCAGTTCCACTACCACCTGCGCGGGCTGCACACCGTCTCTCCAAACTCACCCGCA  
AAGCCAACATCCTTACCAACAGATAACAAGCAGGAGATCGGCTTCAGTAATTGGGGCCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |           |
|--------------------|-----------|
| Restriction Sites: | Sgfl-MluI |
| ACCN:              | NM_206950 |
| Insert Size:       | 552 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).



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|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_206950.1</a></u> , <u><a href="#">NP_996833.1</a></u>   |
| <b>RefSeq Size:</b>           | 1925 bp   |
| <b>RefSeq ORF:</b>            | 552 bp  |
| <b>Locus ID:</b>              | 404280  |
| <b>UniProt ID:</b>            | <u><a href="#">Q6P7D5</a></u>   |
| <b>Cytogenetics:</b>          | Xq12  |
| <b>Gene Summary:</b>          | 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]  |