

Product datasheet for **SC316340**

MID1IP1 (NM_001098791) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MID1IP1 (NM_001098791) Human Untagged Clone
Tag: Tag Free
Symbol: MID1IP1
Synonyms: G12-like; MIG12; S14R; STRAIT11499; THRSPL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC316340 representing NM_001098791.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC **CGCATCGCC**
ATGATGCAAACTGCGACACCTACAACCAGAAGCACTCGCTCTTTAACGCCATGAATCGCTTCATTGGC
GCCGTGAACAACATGGACCAGACGGTGATGGTGCCAGCTTGTGCGCGACGTGCCCTGGCTGACCCC
GGGTTAGACAACGATGTTGGCGTGGAGGTAGGCGGCAGTGGCGGCTGCCTGGAGGAGCGCACGCCCCA
GTCCCGACTCGGAAGCGCCAATGGCAGCTTTTTCGCGCCTCTCGGGACATGTACAGCCACTACGTG
CTTCTCAAGTCCATCCGCAACGACATCGAGTGGGGGTCTGCACCAGCCGCTCCACCGGCTGGGAGC
GAGGAGGGCAGTGCCTGGAAGTCAAGGACATCCTGGTGGACCTGGGCCACTTGGAGGGTGGGACGCC
GGCGAAGAAGACCTGGAACAGCAGTTCCACTACCACCTGCGCGGGCTGCACACTGTGCTCTCGAAACTC
ACGCGCAAAGCCAACATCCTCACTAACAGATACAAGCAGGAGATCGGCTTCGGCAATTGGGGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-MluI
ACCN: NM_001098791
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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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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_001098791.1</u> |
| RefSeq Size: | 1916 bp |
| RefSeq ORF: | 552 bp |
| Locus ID: | 58526 |
| UniProt ID: | <u>Q9NPA3</u> |
| Cytogenetics: | Xp11.4 |
| MW: | 20.2 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p> |