

## Product datasheet for **SC112940**

### MID1IP1 (NM\_021242) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MID1IP1 (NM_021242) Human Untagged Clone
Tag:	Tag Free
Symbol:	MID1IP1
Synonyms:	G12-like; MIG12; S14R; STRAIT11499; THRSPL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112940 sequence for NM_021242 edited (data generated by NextGen Sequencing)

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ATGATGCAAATCTGCGACACCTACAACCAGAAGCACTCGTCTTTAACGCCATGAATCGC
TTCATTGGCGCCGTGAACAACATGGACCAGACGGTGATGGTGCCAGCTTGCTGCGCGAC
GTGCCCTGGCTGACCCCGGTTAGACAACGATGTTGGCGTGGAGGTAGGCGGCAGTGCC
GGCTGCCTGGAGGAGCGCACGCCCCAGTCCCGACTCGGGAAGCGCAATGGCAGCTTT
TTCGCGCCTCTCGGGACATGTACAGCCACTACGTGCTTCTCAAGTCCATCCGCAACGAC
ATCGAGTGGGGGTCCTGCACCAGCCGCTCCACCGGCTGGGAGCGAGGAGGGCAGTGCC
TGGAAGTCCAAGGACATCCTGGTGGACCTGGGCCACTTGGAGGGTGGGACGCCGCGGAA
GAAGACCTGGAACAGCAGTTCCACTACCACCTGCGCGGGCTGCACACTGTGCTCTCGAAA
CTCAGCGCAAAGCCAACATCCTCACTAACAGATACAAGCAGGAGATCGGCTTCGGCAAT
TGGGGCCACTGA
```

Clone variation with respect to NM\_021242.4



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_021242 unedited TGTAATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACGAGGGGAGGCGGGAGGAGGA GACACCAGGGGTGGCCCTGAGCGCCGGCGACACCTTTCCTGGACTATAAAATTGAGCACCT GGGATGGGTAGGGGGCCAACGCAGTCACCGCCGTCCGAGTCACAGTCCAGCCACTGACC GCAGCAGCGCCCTTTCGTAGCAGCCGCTTGACGCGAGAACAACACTGAATTGCCAACGAGCAG GAGAGTCTCAAGGCGCAAGAGGAGGCGCAGGGCTCGACCCACAGAGCACCCCTCAGCCATCG CGAGTTTCCGGGGCCAAAGCCAGGAGAAGCCGCCCATCCCGCAGGGCCGGTCTGCCAGC GAGACGAGAGTTGGCGAGGGCGGAGGAGTGCCGGGAATCCCGCCACACCGGCTATAGCCA GGCCCCAGCGCGGGCCTTGGAGAGCGCGTGAAGGCGGGCATCCCCTTGACCCGGCCGAC CATCCNGTGGCCCTGCGTCCCTGCGCTCCAACGTCCGCGCGGCCACCATGATGCANATC TGCGACACCTACAACCAGAAGCACTCGCTCTNTAACGCCATGAATCGCTTATTGGCGCC GTGAACACATGGACCAGACGGTATGGTGCCAGCTTGTGCGCGACGTGCCCTGGCTG ACCCCCGTTAGACAACGATGNTNNGCGTGAGGGTAGCNGCAGTGGCGGCTGCCTGGAGG AGCGCACGCCCCAGTCCCGACTCGGGAAGCGCCAATGGCAGCTTTTTTCGCGCCCTCTC GGGCATGTACAGCCACTACGTGCTTCTCAAGTCCATNCGCACACATCGGNTGGGGGGTCTC CTGCACCAGCGCTCACCGCTGGAGCGAGNAGGCAGCCCCGAAATCAAGACTNCCCTGTGA CTGGCATTGTTGGGGGGGCGACGCGNCAAAGACTGAAAACACAGTCATAACCCTGGGCG CTGNACACTGGCTTGAACCTCGCGCAGCACTCTCTAGTANAANNAGAGGATAGTGGGGAAT GG
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_021242 unedited TTTTTTTTTTTTTTTTTTTTAAAAAAGTCTACATCTGGATTAATAAAGTTTTAAATAAATT TAAGACATACAACAACCGTGAACCCCTTATCATTCTATGTACAACACGATAGAATGTCA GTTGGTCCATTTTCGGTTAAGTCCACTTTCTCATAATAATGTTATTATTTCACTGAGTG GCAAGCTACGTACAAGCTGGCGAAATGCCAGCTTATACACACTGGGGTGGGGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_021242
<b>Insert Size:</b>	2100 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_021242.3</a> , <a href="#">NP_067065.1</a>
<b>RefSeq Size:</b>	2372 bp
<b>RefSeq ORF:</b>	552 bp

Locus ID: 58526

UniProt ID: [Q9NPA3](#)

Cytogenetics: Xp11.4

**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]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.