

Product datasheet for **RG221845**

MID1IP1 (NM_001098791) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MID1IP1 (NM_001098791) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MID1IP1
Synonyms: G12-like; MIG12; S14R; STRAIT11499; THRSPL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221845 representing NM_001098791
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCAAACTGCGACACCTACAACCAGAAGCACTCGCTCTTTAACGCCATGAATCGCTTCATTGGCG
 CCGTGAACAACATGGACCAGACGGTGATGGTGCCAGCTTGCTGCGCGACGTGCCCTGGCTGACCCCGG
 GTTAGACAACGATGTTGGCGTGGAGGTAGGCGGCAGTGGCGGCTGCCTGGAGGAGCGCACCCCCAGTC
 CCCGACTCGGGAAGCGCAATGGCAGCTTTTTCGCGCCCTCTCGGACATGTACAGCCACTACGTGCTTC
 TCAAGTCCATCCGCAACGACATCGAGTGGGGGTCTGCACCAGCCGCTCCACCGGCTGGGAGCGAGGA
 GGGCAGTGCCTGGAAGTCCAAGGACATCCTGGTGGACCTGGGCCACTGGAGGGTGGGACGCCGCGGAA
 GAAGACCTGGAACAGCAGTTCCTACTACCACCTGCGCGGGTGCACACTGTGCTCTCGAAACTCACGCGCA
 AAGCCAACATCCTCACTAACAGATAACAAGCAGGAGATCGGCTTCGGCAATTGGGGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221845 representing NM_001098791
 Red=Cloning site Green=Tags(s)

MMQICDTYNQKHSLEFNAMNRFIVAVNNMDQTMVPSLLRDVPLADPGLDNDVGVVEVGGSGGLEERTPPV
 PDSGSANGSFFAPSRDMYSHYVLLKISIRNDIEWGVLHQPPPPAGSEEGSAWKS KDILVDLGHLEGADAGE
 EDLEQQFHYHLRGLHTVLSKLRKANILTNRYKQEI GFNNGWGH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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, NP_001092261.1</u>
RefSeq Size:	1916 bp
RefSeq ORF:	552 bp
Locus ID:	58526
UniProt ID:	<u>Q9NPA3</u>
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]