

Product datasheet for **SC307089**

MIDN (NM_177401) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIDN (NM_177401) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIDN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC307089 sequence for NM_177401 edited (data generated by NextGen Sequencing)

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ATGGAGCCGCAGCCCGGGCGGCCCGGAGCTGCCGGCGCGGGGCCCGGGCGCGCCTGCCAGCTGGGCC
CGGCGGCCGAGGCGGGCGCCCATGAGCCTCGCCATCCACAGCACACGGGCACCCGCTACGACCTGGCCGT
GCCGCCGACGAGACGGTGGAGGGGCTGCCAAGCGGTTGTCCCAGCGCCTCAAAGTGCCCAAGGAGCGC
CTGGCTCTTCCACAAGACACCCGGCTCAGTTCGGGGAAGCTGCAGGAGTTCGGCGTGGGTGATGGCA
GCAAGCTGACCTTGGTACCCACCGTGGAAAGCGGGCCTCATGTCTCAGGCCTCAAGGCCGAAACAGTCCGT
GATGCAAGCTCTCGAGAGTCTCACGGAGACGCAGGTGAGTACTCCTGTCCGGCCGTTCCGCACTGACA
CTGGCCTTGCCTGTGGGCGACCACATGATGTTTCGTGCAGCTGCAGCTCGCGGCCACGACGCTCCACTGC
AACACCGCCATGTGCTGGCCGCTGCCGGCCCGCCGCTGCTGCCGGGGGACCCAGCATAGCCTCCCC
CGTGTCTCGCCCTGCCGGCCGGTGTCCAGTGCCGCCGAGTCCCCCGGTGCCACCAGCCCGTCCCT
GCATCTCCCTCGCCATCACAGCCGGCTCCTTCCGGTCCCACGCAGCCTCCACCACCTGCCCGGAGCAGA
TGGACTGCTCCCCACGGCCAGCAGCAGTGCCAGTCTGGTGCCAGCACCACGTCTACCCAGGGGCCAG
CCCTGCCCGCCGCTCCGAAAACCCGGCGCCGTCATCGAGAGCTTTGTGAATCACGCCCCGGGGTCTTC
TCAGGGACCTTCTGACAGCTACACCCCACTGCCAAGACAGCAGCGGGCGGCCGCGCGTGCATCG
GCACCATCTGCAGATCCTGAACGACCTCCTGAGCGCCACCCGGCACTACCAGGGCATGCCCTTCCGT
GGCCAGCTCCGCTGCCACGCCAGTGTCCCCGGCCTACCGGCCCGGACCTGGCCCCAGAAGTACC
TCCTGCGAGAAGCTCACGGCTGCCCCCTCAGCCTCCCTGCTGCAGGGCCAGAGCCAGATCCGCATGTGCA
AGCCCCGGGGATCGGCTTCGGCAGACAGAAAACCGCGCCACGCGTGCAGGTTGGAACGGCTGCAGT
GCTTCTGCAGCAGAAAACGGCTCCGTAGAAAAGGCCCGGGCGGGACGCGCGGGGTCCGTACCACTGGTACCC
AGCCGCAAGGCCGGCCGACGACAGCAGTAGCAGCGGGGGCGGGCAGCCCCAGCGAGGCTCCGGCT
TGGGCTCGACTTCGAGGACTCCGTGTGGAAGCCAGAAGCAACCTGACATCAAGTCAGAGTTCGTGGT
GGCTTAG

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Clone variation with respect to NM_177401.4
1134:t=>c 1370:c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_177401 unedited TCCGCAGTTTGTATACGACTCCTATAGGGCGAATTGGAGCTCCACCGCGGTGGCGGCCGC ATAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCG AATTTCGTGAGCTCTAGCGAGGTGACAGCGTAGAACCAGAGATCCTCCGAGCGGCGGCGA CGGCTGTTGCTAAGGGAGGGGACGCGGAGGAAGCGGACCCGGGCGGCAGACGGCACCC AGCGCCACCAGCCGAGCGGCGCCCTCCAGGACCTTAACCGCGCCGCTCCCGGTC GCGCCCGCGCCCTTTGAAGGAGAAGCAAGTCCCGTCCCGCCCGGAAGGCGCCCGCA GGAGCCGGAGCGACCTCGGAGAGCCACTCGGATTTGGATTTTCGTCTCGCATTCCGCGG CCGGGACTTTCTCGAGGAGGACGCGGCTGCTCCGCGCCCGAGTGCCCGGAGGACCCG GCATCCGGGGAGCCTCTCGCCCTGTCCCGGAGGCGGCGGAGGATTGGCGGCGCCCGCC GCCCCAGCCCCAGCGCGCGCGGGATGGAGCCGAGCCGCGGCGCCCGGAGCTG CCGGCGCGGGGCCCGGCGGCGCTGCGAGCTGGGCCCGGCGGCGGAGGCGGCGCCAT GAGCCTCGCCATCACAGCACCGGGCACCCGCTACGACCTGGCCGTGCCGCCGACGA GACGTGGAGGGCTGCGCAAGCGTTGTCCAGCGCCTCAAAGTGCCAAAGAGCGCCTGGC TCTTCTCCACAAAGACACCCGGCTCAGTTCGGGGAAGCTGCAGGAGTTCGCGTGGGTGAT GGCAGCAAGCTGACCTGTACCACGTGGAAGCGGCGCTCATGTCTCAGGCCTCAGCCCG AACAGTCCGTGATGCAAGCTTCTCAAGAGTCTCACACGA
Restriction Sites:	Please inquire
ACCN:	NM_177401
Insert Size:	3400 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
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_177401.4</u> , <u>NP_796375.3</u>
RefSeq Size:	3812 bp
RefSeq ORF:	1407 bp
Locus ID:	90007
UniProt ID:	<u>Q504T8</u>
Cytogenetics:	19p13.3

Protein Families: Druggable Genome

Gene Summary: Facilitates ubiquitin-independent proteasomal degradation of polycomb protein CBX4. Plays a role in inhibiting the activity of glucokinase GCK and both glucose-induced and basal insulin secretion.[UniProtKB/Swiss-Prot Function]