

Product datasheet for **MC217169**

Midn (NM_021565) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Midn (NM_021565) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Midn
Synonyms:	3000003C15Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217169 representing NM_021565
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCGAGCCCGCGGTGCCCGAGCTGCCGGCGGGGCCCGCGCGCCTGCGAGCTGAACA
 CGGCCACGGAGTCGGCCGCACCCATGAGCCTGGCGATCCACAGCACTACGGGGACCCGCTACGACCTGTC
 GGTGCCCCACGACGAGACCGTGAAGGGCTGCGCAAAAGTTGTCCCAACGCCTCAAAGTACCCAAGGAA
 CGCCTGGCGCTGCTTACAAAGACACCCGGCTCAGTTCGGGGAAGCTGCAGGAATTCGGCGTGGGGGATG
 GGAGCAAGTTGACGCTCGTCCACGGTGAAGCTGGCCTCATGTCCAGGCCTCGAGGCCGGAACAGTC
 CGTTATGCAAGCCTTGGAAAGTTTGACCAGACCCAGCCCCAGCGACACCCGGGCCAGGCCGGGTGCC
 GGAGGAGGCTCCGAAATACAGATTGATTTTATTTAAGCGTCCGTGGCACCGACAGGGACCCAGAGCC
 CAGAGAGGGGCGGCGAGAGGCCAGGTCAGTGACTTTCTGTGAGCCGCTCGCCTTTGACCTGGCCCT
 GCGAGTCGGGATCACATGATGTTTGTGCAAGTGAAGTGGCAGCCAGCATGCCCACTCCAGCACCGC
 CATGTGCTTGCTGCTGCCGAGCAGCAGCCGCCGCCCGGGGAGACTCCAGTGTAGCCACCCAGTGT
 CTTACCCCTGTAGGCCGGTGTCCAGTGGCGCCCGTGTACCCCACTATCCAGCAGCCCTTCTCACCTGT
 ATCCCCCTCACCTGTCACTGCTGGCTCCTTCCGATCCCACGCAGCCTCCACAACCTGTCTGAGCAGATG
 GACTGTTCTCCACCCGCCAGCAGCAGCTCCACATCCACCCAGGCAGCAGCCCAACCCCTCGATCCCGCA
 AACCTGGTGGGTCATTGAGAGCTTCGTGAACCATGCTCCAGGGGTCTTCTCAGGGACCTTCTGGCAC
 ACTACACCCCACTGCCAGGACAGCAGTGGGCGGCTCGGCGTGACATCGGCACCATCTGCAGATACTC
 AATGACCTCCTAAGTGCCACGAGGCATACCAGGGCATGCCACCCCTCACTGACCCAGCTCCGCTGCCATG
 CTCAGTGCTCACCTGCCACAGCCCTGACCTCACCCCAAACTACCTCTGTGAAAAGCTGGCAGC
 CACCTCCTCCACATCCCTGCTCCAGGGCCAGAGCCAGATTGCAATGTGCAAGCCCTGGAGACCGTCTT
 CGACAGACAGAGAACCGTGCCACACGTTGCAAAGTGAACGCCTCCAGCTCCTGTTGCAGCAGAAGCGCC
 TGCGCAGGAAGGCACGGCGGGACGCCGGGGCCTTACCCTGGACCCCAAGCTGGCCGTAG
 CGACAGCAGCAGTGGGGTGGAGGTGGCCCCAGCGAGGCCACAGGCTTGGCCCTCGACTTCGAGGAC
 TCCGTTTGAAGCCTGAAGTCAACCCGGACATCCAGTCCGAGTTTGTGGTGGCT**TAA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_021565

Insert Size: 1527 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_021565.2</u> , <u>NP_067540.1</u>
RefSeq Size:	3747 bp
RefSeq ORF:	1527 bp
Locus ID:	59090
UniProt ID:	<u>Q3TPJ7</u>
Cytogenetics:	10 C1
Gene Summary:	<p>This gene encodes a protein that contains an ubiquitin-like domain. This protein may be involved in the regulation of brain development as inferred by its high expression level in the embryonic midbrain. This protein has been found to negatively regulate glucokinase activity and insulin secretion in pancreatic beta cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>