

## Product datasheet for **RR216808**

### Midn (NM\_001191577) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Midn (NM_001191577) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Midn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR216808 representing NM\_001191577  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCCGACGCCGGCGGCCGGAGCTGCCGGCGGGGCCCGTGGCGCTGCGAGCTGAGCA  
 CGACCGCGGAATCGGCCGCACCCATGAGCCTGGCGATCCACAGCACTACGGGGACCCGCTACGACCTTTC  
 GGTGCCCCACGACGAGACCGTGGAGGGGCTGCGCAAAAGGCTGTCCCAACGCCTCAAAGTACCCAAGGAA  
 CGCCTGGCGCTGCTTACAAAAGACACCCGGCTCAGTTCGGGGAAGCTGCAGGAATTCGGCGTGGGGGATG  
 GGAGCAAGTTGACGCTCGTCCACGGTGAAGCTGGCCTCATGTCCAGGCCTCGAGGCCGGAGCAGTC  
 CGTTATGCAAGCCCTGAAAAGTTTGACTGAGACCCAGCCCCAGCGACACCCGGGCCAGGCCGGCTGCC  
 GGAGGAGGCTCCGAAATACAGATTGATTTATTTAAGCGTCCGTGGCACCACAGGGACCCAGAGCC  
 CAGAGAGGGCGCGAGAGGCCAGGTCAGTGACTTTTTGTGAGCCGATCGCCTTGACCTGGCCCT  
 GCGAGTTGGGGATCACATGATGTTTGTACAATTGCAACTGGCAGCCCAACACGCCCACTCCAGCACCGC  
 CATGTGCTGGCCGCGGCTGCCGAGCTGCTGCCGCTGCCCGGGGAGATCCAGCATAGCTACCCAGTAT  
 CCTCACCTTGTCCGCCCGTGTCCAGTGGCCGCCGTGTCCCCCAGTATCCAGCAGCCCTTCTTCGCCTGT  
 GTCCCCCTCACCTGTACCGCTGGCACCTTCCAATCCCATGCAGCCTCCACGACTTGTCTGAGCAGACG  
 GACTGTTCTCCACCCGCCAGCAGCAACACCACATCCACCCAGGCAGCAGCCCCACCCCGATCCCGCA  
 AACCCGGTGCAGTCATTGAGAGCTTCGTGAACCACGCTCCAGGGGTCTTCTCAGGGACCTTCTCTGGCAC  
 ACTGCACCCCACTGCCAGGATAGTAGTGGGCGGCTCGCGTGACATCGGCACCATTCTGCAGATACTC  
 AATGACCTCCTAAGTGCCACAAGGCATTACCAGGGCATGCCGCTCACTGACCCAGCTCCGCTGCCACG  
 CGCAGTGCTCACCTGCCACAGCCCTGACCTCACCCCAAACTACCTCTGTGAAAAGCTGGCAAC  
 CCCATCACTGCTCCAGGGCCAGAGCCAGATCCGAATGTGCAAGCCCTGGAGACCGTCTGCGACAGACA  
 GAGAACCCTGCCACAGCTGCAAAGTGAACGCCTCCAGCTCCTGCTGCAGCAGAAGCGCTGCGAAGGA  
 AGGCACGGCGGGACGCCGGGTCTTACCAGTGGACCCAAAGCCGAAAGCTGGTCTGAGTGCAGCAG  
 CAGCAGTGGGGTGGAGGTAGCCCCAGCGAGGCCACAGGCTTGGGCTCGACTTCGAGGACTCCGTTTGG  
 AAGCTGAAGTCAACCCAGACATCCAGTCCGAGTTTGTGGTGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216808 representing NM\_001191577  
 Red=Cloning site Green=Tags(s)

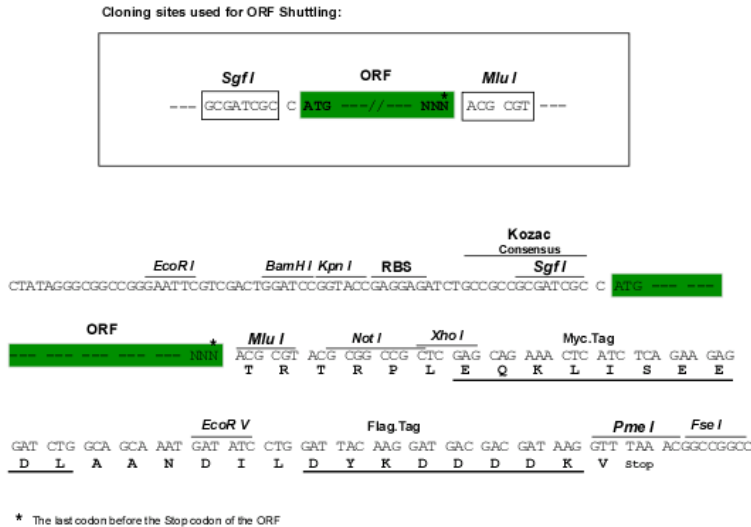
MEPQPGGARSCRREGAPGGACELSTTAESAAPMSLAIHSTTGTRYDLSVPHDETVEGLRKRLSQRKVPKE  
 RLALLHKDTRLSSGKLQEFVGDGSKLTLVPTVEAGLMSQASRPEQSVMQALESLETQPPATPGPGRAA  
 GGGFRKYRLILFKRPWHRQGPQSPERGGERPQVDFLSGRSPLTLALRVGDHMMFVQLQLAAQHAPLQHR  
 HVLAIAAAAAAAAAARGDSSIAATPVSSPCRPVSSAARVPPVSSSPSPVSPVPTAGTFQSHAASTTCPEQT  
 DCSPASSNTTSTPGSSPTPRSRKPGAVIESFVNHPGVFSGTFSGTLHPNCQDSSGRPRRDIIGTILQIL  
 NDLLSATRHYQGMASLTLRCHAQCSPASPAPDLTPKTTSCLEKATPSLLQGQSQIRMCKPPGDRLRQT  
 ENRATRCKVERLQLLLQQKRLRRKARRDARGPYHWTPSRKAGRSDSSSSGGGSPSEATGLGLDFEDSVV  
 KPEVNPDIQSEFVVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001191577

ORF Size: 1515 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM\\_001191577.1](#), [NP\\_001178506.1](#)

RefSeq Size: 1725 bp

RefSeq ORF: 1518 bp

Locus ID: 314623

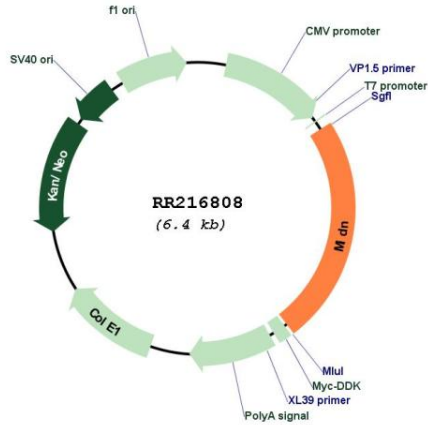
UniProt ID: [D4AE48](#)

Cytogenetics: 7q11

MW: 53.7 kDa

Gene Summary: Facilitates ubiquitin-independent proteasomal degradation of polycomb protein CBX4 (By similarity). Plays a role in inhibiting the activity of glucokinase GCK and both glucose-induced and basal insulin secretion (PubMed:24187134).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR216808