OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC210528

MIDN (NM_177401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIDN (NM_177401) Human 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:

>RC210528 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCGCAGCCCGGCGGCGCCCGGAGCTGCCGGCGCGGGGCCCCCGGCGGCGCCTGCGAGCTGGGCC
CGGCGGCCGAGGCGGCGCCCATGAGCCTCGCCATCCACAGCACCACGGGCACCCGCTACGACCTGGCCGT
GCCGCCCGACGAGACGGTGGAGGGGCTGCGCAAGCGGTTGTCCCAGCGCCTCAAAGTGCCCAAGGAGCGC
CTGGCTCTTCTCCACAAAGACACCCGGCTCAGTTCGGGGAAGCTGCAGGAGTTCGGCGTGGGTGATGGCA
GCAAGCTGACCTTGGTACCCACCGTGGAAGCGGGCCTCATGTCTCAGGCCTCAAGGCCGGAACAGTCCGT
GATGCAAGCTCTCGAGAGTCTCACGGAGACGCAGGTCAGTGACTTCCTGTCGGGCCGTTCGCCACTGACA
CTGGCCTTGCGTGTGGGCGACCACATGATGTTCGTGCAGCTGCAGCTCGCGGCCCAGCACGCTCCACTGC
AACACCGCCATGTGCTGGCCGCTGCGGCCGCCGCCGCTGCTGCGCGGGGGGACCCCAGCATAGCCTCCCC
CGTGTCCTCGCCCTGCCGGCCGGTGTCCAGTGCCGCCCGAGTCCCCCCGGTGCCCACCAGCCCGTCCCCT
GCATCTCCCTCGCCCATCACAGCCGGCTCCTTCCGGTCCCACGCAGCCTCCACCACCTGCCCGGAGCAGA
TGGACTGCTCCCCCACGGCCAGCAGCAGTGCCAGTCCTGGTGCCAGCACCACGTCTACCCCAGGGGCCAG
CCCTGCCCCCCGCTCCCGAAAACCCGGCGCCGTCATCGAGAGCTTTGTGAATCACGCCCCGGGGGTCTTC
TCAGGGACCTTCTCTGGCACGCTACACCCCAACTGCCAAGACAGCAGCGGGCGGCCGCGGCGTGACATCG
GCACCATCCTGCAGATCCTGAACGACCTCCTGAGCGCCACCCGGCACTACCAGGGCATGCCCCCTTCGCT
GGCCCAGCTCCGCTGCCACGCCCAGTGCTCCCCGGCCTCACCGGCCCCCGACCTGGCCCCCAGAACTACC
TCCTGCGAGAAGCTCACGGCTGCCCCCTCAGCCTCCCTGCTGCAGGGCCAGAGCCAGATCCGCATGTGCA
AGCCCCCGGGGGATCGGCTTCGGCAGACAGAAAACCGCGCCACGCGCTGCAAGGTGGAACGGCTGCAGCT
GCTTCTGCAGCAGAAACGGCTCCGTAGAAAGGCCCGGCGGGACGCGCGGGGTCCGTACCACTGGTCACCC
AGCCGCAAGGCCGGCCGCAGCGACAGCAGTAGCAGCGGGGGCGGCGGCAGCCCCAGCGAGGCCTCCGGCT
TGGGCCTCGACTTCGAGGACTCCGTGTGGAAGCCAGAAGCCAACCCTGACATCAAGTCAGAGTTCGTGGT
GGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

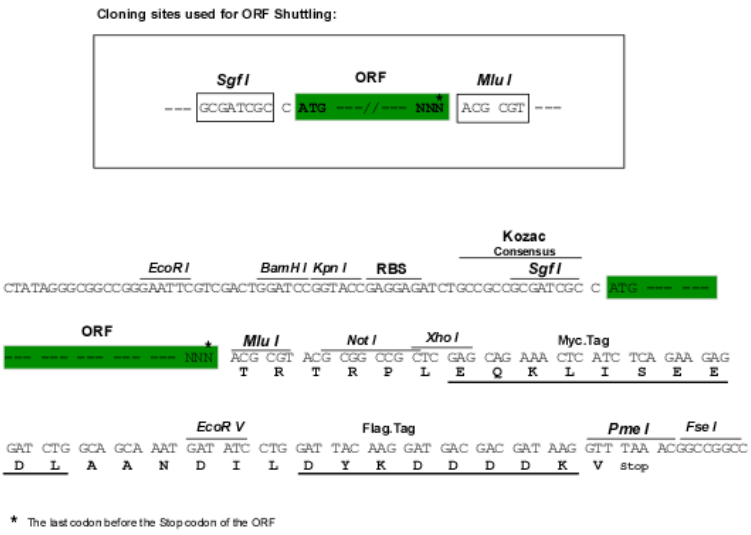
>RC210528 protein sequence
Red=Cloning site Green=Tags(s)

MEPQPGGARSCRRGAPGGACELGPAAEAAPMSLAIHSTTGTRYDLAVPPDETVEGLRKRLSQRLKVPKER
LALLHKDTRLSSGKLQEFGVGDGSKLTLVPTVEAGLMSQASRPEQSVMQALESLTETQVSDFLSGRSPLT
LALRVGDHMMFVQLQLAAQHAPLQHRHVLAAAAAAAAARGDPSIASPVSSPCRPVSSAARVPPVPTSPSP
ASPSPITAGSFRSHAASTTCPEQMDCSPTASSSASPGASTTSTPGASPAPRSRKPGAVIESFVNHAPGVF
SGTFSGTLHPNCQDSSGRPRRDIGTILQILNDLLSATRHYQGMPPSLAQLRCHAQCSPASPAPDLAPRTT
SCEKLTAAPSASLLQGQSQIRMCKPPGDRLRQTENRATRCKVERLQLLLQQKRLRRKARRDARGPYHWSP
SRKAGRSDSSSSGGGGSPSEASGLGLDFEDSVWKPEANPDIKSEFVVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177401

ORF Size: 1404 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_177401.4, NP_796375.3

RefSeq Size: 3812 bp

RefSeq ORF: 1407 bp

Locus ID: 90007

UniProt ID: Q504T8

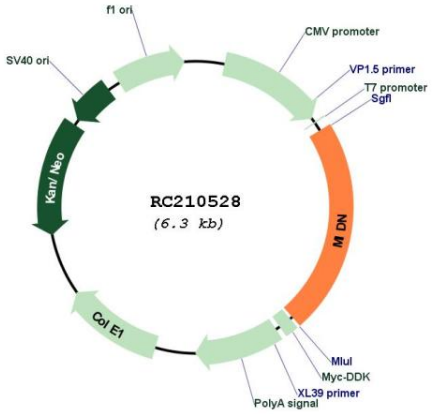
Cytogenetics: 19p13.3

Protein Families: Druggable Genome

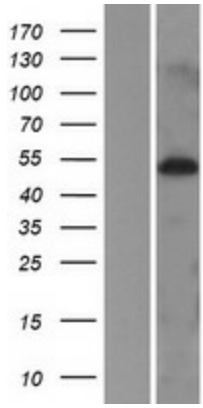
MW: 49.2 kDa

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]

Product images:



Circular map for RC210528



Western blot validation of overexpression lysate (Cat# [LY406151]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210528 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).