

Product datasheet for **RG210528**

MIDN (NM_177401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIDN (NM_177401) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MIDN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG210528 representing NM_177401
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCGACGCCGGCGGCCCGGAGCTGCCGGCGGGGCCCGCGCGCCCTGCGAGCTGGGCC
 CGGCGGCCGAGGGCGGCCCATGAGCCTCGCCATCCACAGCACACGCGGACCCGCTACGACCTGGCCGT
 GCCGCCGACGAGACGGTGGAGGGCTGCGCAAGCGGTTGCCAGCGCCTCAAAGTGCCCAAGGAGCGC
 CTGGCTCTTCCACAAAGACACCCGGCTCAGTTCGGGGAAGCTGCAGGAGTTCGGCGTGGGTGATGGCA
 GCAAGCTGACCTTGGTACCCACCGTGAAGCGGGCCTCATGTCTCAGGCCTCAAGGCCGGAACAGTCCGT
 GATGCAAGCTCTCGAGAGTCTCACGGAGACGCAGGTGAGTACTCTGTGCGGGCCGTCGCCACTGACA
 CTGGCCTTGCCTGTGGGCGACCACATGATGTTCTGTGCAGCTGCAGCTCGCGGCCAGCACGCTCCACTGC
 AACACCGCATGTGCTGGCCGCTCGGGCCGCCCGCTGCTGCGGGGGGACCCAGCATAGCCTCCCC
 CGTGTCTCGCCCTGCCGCGGTGTCCAGTGCCGCCGAGTCCCCCGGTGCCACCAGCCGTCGCCCT
 GCATCTCCCTCGCCATCACAGCCGGCTCTTCCGGTCCACGCAGCCTCCACCCTGCCCGGAGCAGA
 TGGACTGCTCCCCACGGCCAGCAGCAGTGCCAGTCTGGTGCCAGCACACGTCTACCCAGGGGCCAG
 CCCTGCCCCCGCTCCGAAAACCCGGCGCCGTCATCGAGAGCTTGTGAATCACGCCCGGGGCTTTC
 TCAGGGACCTTCTTGGCACGCTACACCCAACTGCCAAGACAGCAGCGGGCGGCCGCGCGTGACATCG
 GCACCATCTGCAGATCTGAACGACCTCTGAGCGCCACCCGGCACTACCAGGGCATGCCCCCTTCGCT
 GGCCAGCTCCGCTGCCACGCCAGTGTCCCCGGCTCACCGGCCCGGACCTGGCCCCAGAAGTACC
 TCCTGCGAGAAGCTCACGGTCCCCCTCAGCCTCCCTGCTGCAGGGCCAGAGCCAGATCCGCATGTGCA
 AGCCCCGGGGGACCGCTTCGGCAGACAGAAAACCGGCCACGCGCTGCAAGGTGGAACGGCTGCAGT
 GCTTCTGCAGCAGAAAACGGCTCCGTAGAAAAGCCCGCGGGACGCGGGGTCCGTACCACTGGTACCC
 AGCCGCAAGGCCGCGCAGCAGCAGTAGCAGCGGGGGCGCGCAGCCCCAGCGAGCCTCCGGCT
 TGGCCTCGACTTCGAGGACTCCGTGTGGAAGCCAGAAGTCAACCCTGACATCAAGTCAGAGTTCGTGGT
 GGCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG210528 representing NM_177401
 Red=Cloning site Green=Tags(s)

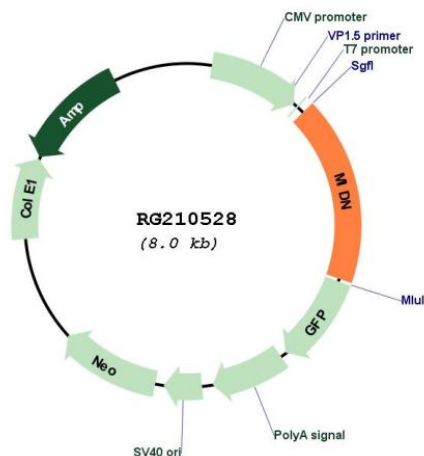
MEPQPGGARSCRREGAPGGACELGPAAEAAPMSLAIHSTTGTRYDLAVPPDETVEGLRKRLSQRKVPKER
 LALLHKDTRLSSGKLQEFVGDGSKLTLVPTVEAGLMSQASRPEQSVMQALESLTETQVSDFLSGRSPLT
 LALRVGDHMMFVQLQLAAQHAPLQHRHVLAAAAAAAARGDPSIASPVSSPCRPVSSAARVPPVPTSPSP
 ASPSPITAGSFRSHAASTTCPEQMDCSPTASSSASPGASTTSTPGASPAPRSRKPAGAVIESFVNHAPGVF
 SGTFSGLTLPNCQDSSGRPRRDIGTILQILNDLLSATRHYQGMPPSLAQLRCHAQCSASPAPDLAPRTT
 SCEKLTAAPSASLLQGSQIRMCKPPGDRLRQTENRATRCKVERLQLLLQKRLRRKARRDARGPYHWS
 SRKAGRSDSSSSGGGSPSEASGLGLDFEDSVWKPEVNPDIKSEFVVA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


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:	<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]