

Product datasheet for **RC234677**

MID1 (NM_001193277) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MID1 (NM_001193277) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MID1
Synonyms:	BBBG1; FXY; GBBB1; MIDIN; OGS1; OS; OSX; RNF59; TRIM18; XPRF; ZNFXY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC234677 representing NM_001193277
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACACTGGAGTCAGAAGTACCTGCCCATTGTCTGGAGCTCTTGAGGACCTCTTCTACTGC
CCTGCGCACACAGCCTCTGCTTCAACTGCGCCACCGCATCCTAGTATCACACTGTGCCACCAACGAGTC
TGTGGAGTCCATCACCGCCTTCCAGTGGCCACCTGCCGGCATGTCATCACCTCAGCCAGCGAGGTCTA
GACGGGCTCAAGCGCAACGTCACCTACAGAATCATCGACAGGTTCCAGAAAGCATCAGTGAGCGGGC
CCAACCTCTCCAGCGAGACCCGTCGGGAGCGGGCCTTTGACGCCAACACCATGACCTCCGCCGAGAAGGT
CCTCTGCCAGTTTTGTGACCAGGATCCTGCCAGGACGCTGTGAAGACCTGTGTCACCTGTGAAGTATCC
TACTGTGACGAGTGCCTGAAAGCCACTACCCGAATAAGAAGCCCTTTACAGGCCATCGTCTGATTGAGC
CAATCCGGACTCTCACATCCGGGGCTGATGTGCTTGGAGCATGAGGATGAGAAGTGAATATGTACTG
TGTGACCGATGACCAGTTAATCTGTGCCTTGTGTAAGTGGTGGGCGGCACCGCATCATCAGGTGGCA
GCTTTGAGTGAGCGCTATGACAAATTGAAGCAAACCTTAGAGAGTAACCTACCAACCTTATTAAGAGGA
ACACAGAACTGGAGACCTTTTGGCTAAACTCATCAAACCTGTCAACATGTTGAAGTCAATGCATCACG
TCAAGAAGCCAAATTGACAGAGGAGTGTGATCTTCTCATTGAGATCATTAGCAAAAGACGACAGATTATT
GGAACCAAGATCAAAGAAGGGAAGGTGATGAGGCTTCGAAAACCTGGCTCAGCAGATTGCAAACTGCAAAAC
AGTGCATTGAGCGGTGAGCATCACTCATCTCCAAGCGGAACTCTCTGAAGGAGAATGATCATGCGCG
TTTCTACAGACTGCTAAGAATATCACCGAGAGTCTCCATGGCAACTGCATCTCCAGGTTCTAATT
CCTGAAATCAACCTCAATGACACATTTGACACCTTTGCCTTAGATTTTTCCCGAGAGAAGAACTGCTAG
AATGCTGGATTACCTTACAGCTCCCAACCTCCACAATTAGAGAAGAGCTCTGCACAGTTCATATGA
CACCATCACTGTGATTGGACCTCCGATGATGAGTTCAGCGTGGTCTCCTACGAGCTCCAGTACACCATA
TTCACCGACAAGCCAACGTCGTTAGTCTGTGTAATTCGGCTGATAGCTGGATGATAGTACCCAACATCA
AGCAGAACCCTACACGGTGCACGGTCTGCAGAGCGGCACCAAGTACATCTTCATGGTCAAGGCCATCAA
CCAGGGCGGCAGCCGAGCAGTGAAGTGGGAAGTTGAAGACAAACAGCCAACCATTTAAACTGGATCCC
AAATCTGCTCATCGAAAACCTGAAGGTGTCCATGATAACTTGACAGTGAACGATGAGTGCATCATCCA
AGAAGAGTCACACACCTGAACGCTTCACCAGCCAGGGGAGCTATGGAGTAGCTGGAAATGTGTTTATTGA
TAGTGGCCGGCATTATTGGGAAGTGGTCATAAGTGAAGCACATGGTATGCCATTGGTCTTGCTTACAAA
TCAGCCCCGAAGCATGAATGGATTGGGAAGAACTGCTTCTGGGCGCTCTGCCGCTGCAACAATAACT
GGTGGTGGAGACCAATAGCAAGGAAATCCCATTTGAGCCTGCCCCACCTCCGGCGCGTGGGCATCCT
GCTGGACTATGATAACGGCTCTATCGCCTTTTATGATGCTTTGAACTCCATCCACCTCTACACCTTCGAC
GTCGCATTTGCGCAGCCTGTTTGGCCACCTTACCGTGTGGAACAAGTGTCTGACGATTATCACTGGGC
TCCCTATCCCAGACCATTGGACTGCACAGAGCAGCTGCCG

ACGGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234677 representing NM_001193277
Red=Cloning site Green=Tags(s)

```

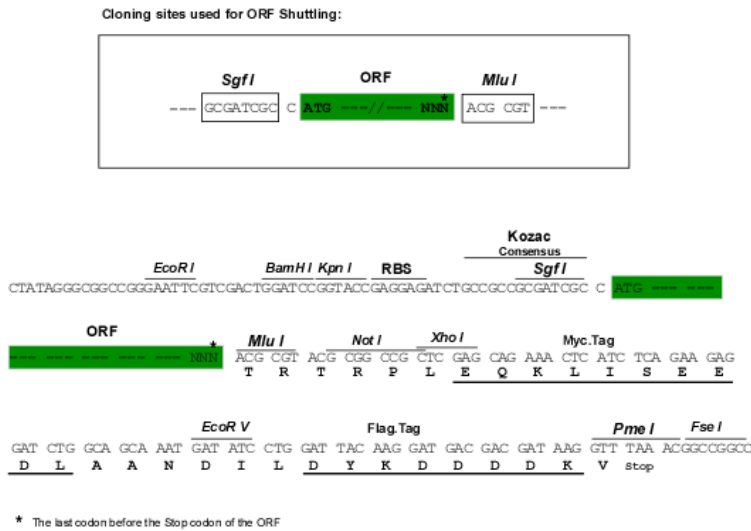
METLESELTCPICLELFEDPLLLPCAHSFCNCAHRILVSHCATNESVESITAFQCPTCRHVITLSQRGL
DGLKRNVTLQNIIDRFQKASVSGPNPSETRRERAFDANTMTSAEKVLCQFCDQDPAQDAVKTCTVCEVS
YCDECLKATHPNKKPFTGHRLIEPIPDSHIRGLMCLHEHEDEKVNMYCVTDDQLICALCKLVGRHRDHQVA
ALSERYDKLKQNLNLESNLTNLIKRNTLETLLAKLIQTQCQHVEVNASRQEAKLTEECDLLIEIIQRRQII
GTKIKEGKVMRLRKLAAQIANCKQCIERSASLISQAEHSLKENDHARFLQTAKNITERVSMATASSQVLI
PEINLNDTFDFALDFSREKLLLECLDYLTAPNPPTIREELCTASYDTITVHWTSDDEFVSVSYELQYTI
FTGQANVVSLSADSWMIVPNIKQNHVYVHGLQSGTKYIFMVKAINQAGRSRSEPGKLTNSQPFLKDP
KSAHRKLVSHDNLTVRDESSKKSHTPERFTSQGSYGVAGNVFIDSGRHYWEVVISGSTWYAIGLAYK
SAPKHEWIGKNSASWALCRCNNWVVRHNSKEIPIEPAPHLRRVGILLDYDNGSIAFYDALNSIHLTYTFD
VAFAQPVCPTFTVWNKCLTIITGLPIPDLDCTEQLP
    
```

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2877_b11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193277

ORF Size: 2001 bp

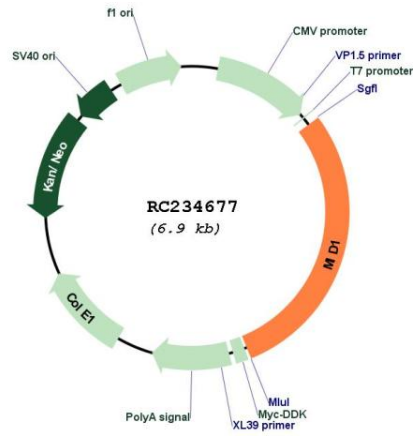
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001193277.1, NP_001180206.1</u>
RefSeq Size:	6252 bp
RefSeq ORF:	2004 bp
Locus ID:	4281
UniProt ID:	<u>O15344</u>
Cytogenetics:	Xp22.2
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	75.3 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also known as the 'RING-B box-coiled coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein forms homodimers which associate with microtubules in the cytoplasm. The protein is likely involved in the formation of multiprotein structures acting as anchor points to microtubules. Mutations in this gene have been associated with the X-linked form of Opitz syndrome, which is characterized by midline abnormalities such as cleft lip, laryngeal cleft, heart defects, hypospadias, and agenesis of the corpus callosum. This gene was also the first example of a gene subject to X inactivation in human while escaping it in mouse. Alternative promoter use, alternative splicing and alternative polyadenylation result in multiple transcript variants that have different tissue specificities. [provided by RefSeq, Dec 2016]</p>

Product images:



Circular map for RC234677