

Product datasheet for **SC331151**

MID1 (NM_001193277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MID1 (NM_001193277) Human Untagged Clone
Tag:	Tag Free
Symbol:	MID1
Synonyms:	BBBG1; FXY; GBBB1; MIDIN; OGS1; OS; OSX; RNF59; TRIM18; XPRF; ZNFXY
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331151 representing NM_001193277.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAACACTGGAGTCAGAAGTACCTGCCCTATTTGTCTGGAGCTCTTTGAGGACCCTTTCTACTG
CCCTGCGCACACAGCCTCTGCTTCAACTGCGCCACCGCATCCTAGTATCACACTGTGCCACCAACGAG
TCTGTGGAGTCCATCACCAGCCTTCCAGTGCCACCTGCCGCGATGTCATCACCCTCAGCCAGCGAGGT
CTAGACGGGCTCAAGCGCAACGTCACCTACAGAACATCATCGACAGGTTCCAGAAAGCATCAGTGAGC
GGGCCAACTCTCCAGCGAGACCCGTCGGGAGCGGGCCTTTGACGCCAACACCATGACCTCCGCCGAG
AAGGTCCTCTGCCAGTTTTGTGACCAGGATCCTGCCAGGACGCTGTGAAGACCTGTGCTACTTTGTAA
GTATCCTACTGTGACGAGTGCCTGAAAGCCACTCACCCGAATAAGAAGCCCTTTACAGGCCATCGTCTG
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GCAAACCTGCAAACAGTGATTGAGCGGTGAGCATCACTCATCTCCCAAGCGGAACACTCTCTGAAGGAG
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TCCCAGGTTCTAATTCCTGAAATCAACCTCAATGACACATTTGACACCTTTGCTTAGATTTTTCCCGA
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CCCCACCTCCGGCGCGTGGGCATCCTGTGGACTATGATAACGGCTCTATCGCCTTTTATGATGCTTTG
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AACCAAGTGTCTGACGATTATCACTGGGCTCCCTATCCAGACATTTGGACTGCACAGAGCAGCTGCCG
TGA
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001193277

Insert Size: 2004 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001193277.1](#)

RefSeq Size: 6252 bp

RefSeq ORF: 2004 bp

Locus ID: 4281

UniProt ID: [O15344](#)

Cytogenetics: Xp22.2

Protein Families: Druggable Genome

Protein Pathways: Ubiquitin mediated proteolysis

MW: 75.3 kDa

Gene Summary: 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]

Transcript Variant: This variant (2) has an alternate 5' UTR exon, as compared to variant 1. Variants 1-4 and variant 10 encode the same isoform (1).