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Product datasheet for SC316415

MID1 (NM_001098624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MID1 (NM_001098624) Human Untagged Clone
Tag:	Tag Free
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)

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Fully Sequenced ORF:

>SC316415 representing NM_001098624.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAACACTGGAGTCAGAACTGACCTGCCCTATTTGTCTGGAGCTCTTTGAGGACCCTCTTCTACTG
CCCTGCGCACACAGCCTCTGCTTCAACTGCGCCCACCGCATCCTAGTATCACACTGTGCCACCAACGAG
TCTGTGGAGTCCATCACCGCCTTCCAGTGCCCCACCTGCCGGCATGTCATCACCCTCAGCCAGCGAGGT
CTAGACGGGCTCAAGCGCAACGTCACCCTACAGAACATCATCGACAGGTTCCAGAAAGCATCAGTGAGC
GGGCCCAACTCTCCCAGCGAGACCCGTCGGGAGCGGGCCTTTGACGCCAACACCATGACCTCCGCCGAG
AAGGTCCTCTGCCAGTTTTGTGACCAGGATCCTGCCCAGGACGCTGTGAAGACCTGTGTCACTTGTGAA
GTATCCTACTGTGACGAGTGCCTGAAAGCCACTCACCCGAATAAGAAGCCCTTTACAGGCCATCGTCTG
ATTGAGCCAATTCCGGACTCTCACATCCGGGGGCTGATGTGCTTGGAGCATGAGGATGAGAAGGTGAAT
ATGTACTGTGTGACCGATGACCAGTTAATCTGTGCCTTGTGTAAACTGGTTGGGCGGCACCGCGATCAT
CAGGTGGCAGCTTTGAGTGAGCGCTATGACAAATTGAAGCAAAACTTAGAGAGTAACCTCACCAACCTT
ATTAAGAGGAACACAGAACTGGAGACCCTTTTGGCTAAACTCATCCAAACCTGTCAACATGTTGAAGTC
AATGCATCACGTCAAGAAGCCAAATTGACAGAGGAGTGTGATCTTCTCATTGAGATCATTCAGCAAAGA
CGACAGATTATTGGAACCAAGATCAAAGAAGGGAAGGTGATGAGGCTTCGCAAACTGGCTCAGCAGATT
GCAAACTGCAAACAGTGCATTGAGCGGTCAGCATCACTCATCTCCCAAGCGGAACACTCTCTGAAGGAG
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TCCCAGGTTCTAATTCCTGAAATCAACCTCAATGACACATTTGACACCTTTGCCTTAGATTTTTCCCGA
GAGAAGAAACTGCTAGAATGTCTGGATTACCTTACAGCTCCCAACCCTCCCACAATTAGAGAAGAGCTC
TGCACAGCTTCATATGACACCATCACTGTGCATTGGACCTCCGATGATGAGTTCAGCGTGGTCTCCTAC
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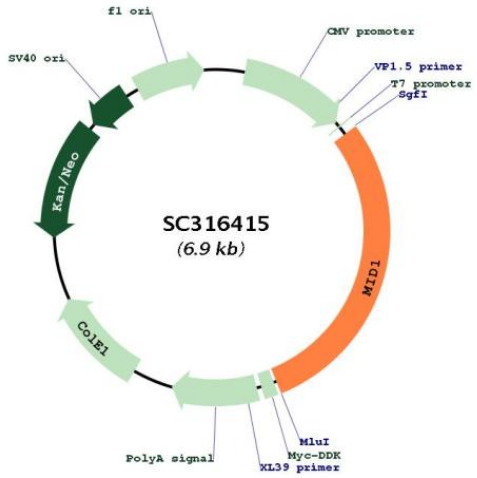
TTCATGGTCAAGGCCATCAACCAGGCGGGCAGCCGCAGCAGTGAGCCTGGGAAGTTGAAGACAAACAGC
CAACCATTTAAACTGGATCCCAAATCTGCTCATCGAAAACTGAAGGTGTCCCATGATAACTTGACAGTA
GAACGTGATGAGTCATCATCCAAGAAGAGTCACACACCTGAACGCTTCACCAGCCAGGGGAGCTATGGA
GTAGCTGGAAATGTGTTTATTGATAGTGGCCGGCATTATTGGGAAGTGGTCATAAGTGGAAGCACATGG
TATGCCATTGGTCTTGCTTACAAATCAGCCCCGAAGCATGAATGGATTGGGAAGAACTCTGCTTCCTGG
GCGCTCTGCCGCTGCAACAATAACTGGGTGGTGAGACACAATAGCAAGGAAATCCCCATTGAGCCTGCC
CCCCACCTCCGGCGCGTGGGCATCCTGCTGGACTATGATAACGGCTCTATCGCCTTTTATGATGCTTTG
AACTCCATCCACCTCTACACCTTCGACGTCGCATTTGCGCAGCCTGTTTGCCCCACCTTCACCGTGTGG
AACAAGTGTCTGACGATTATCACTGGGCTCCCTATCCCAGACCATTTGGACTGCACAGAGCAGCTGCCG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001098624
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001098624.2
RefSeq Size:	6393 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 (4) has an alternate 5' UTR exon, as compared to variant 1. Variants 1-4 and variant 10 encode the same isoform (1).