

Product datasheet for **SC304735**

MAX binding protein (MNT) (NM_020310) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAX binding protein (MNT) (NM_020310) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAX binding protein
Synonyms:	bHLHd3; lncRNA-HAL; MAD6; MXD6; ROX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC304735 sequence for NM_020310 edited (data generated by NextGen Sequencing)

```

ATGAGCATAGAGACGCTACTGGAGGCGGCCGCTTCTCTGGAATGGCAAGCGCAGCAACAACAGAGAGCAC
GTGAGGAGCAGGAGCGGCTTCGCTTGGAGCAGGAGCGAGAGCAGGAACAGAAGAAGGCCAATAGCCTGGC
CAGGCTGGCACATACCCTTCTGTGGAGGAACCCCGCATGGAGGGCCACCCTGCCTGTGTCTCCACCG
GCTCCCCGCGCGCACCCACCACCCTTGCACCCCTGCCCACTGACTGTATCCCTATCCCTGTGG
TGACCAACTCCCCTCAGCCTCTACCCCAACCCCAACCTTGCCCGCGGCAGCCAGCCTCTGCCCTGGC
GCCTCGTCAGCCGGCCCTGGTTGGCGCCCCGGACTCAGCATTAAAGGAGCCTGCCCCCTGCCAGCAGG
CCGAGGTGCCACCCCTGCTCCCTACTGCCGACTCGAAGGCCACCATTCACCCAATGGCAGCCCCA
AGCCTTTGAGCCCTCCCACGCTGTCTGACCATAGCGCCACACCCTGGAGTCCAGCCTCAGCTGGC
CCCCAGCAGCCGCCCAACCCACGCTGGGGACCTGAAGTTGGCACCAGCTGAAGAAGTCAAATCCAGT
GAACAGAAGAAGAGGCCCGGGGGATCGGAACCAGAGAAGTCCACAACAATTGGAGAAGAACAGGAGGG
CCCATCTGAAAGAGTGTCTTGGAGCCCTGAAGCGGAACATCCCCAACGTGGATGACAAGAAGACGTCCAA
TCTGAGCGTGTGCGGACGGCGTGCAGTACATCCAGTCCCTGAAGAGGAAGGAGAAGGAATATGAGCAT
GAAATGGAGCGGCTGGCAGTGAGAAGATTGCCACGCAGCAGCGGCTGGCAGAGCTCAAGCACGAGCTGA
GCCAGTGGATGGACGTAAGTGGAGATTGACCGCGTGTGCGGCAGACGGGCCAGCCGAGGATGACCAGGC
CTCCACCTCCACCGCCTCTGAGGGTGGAGACAACATAGACGAGGATATGGAGGAGGACCGGGCGGGCCTG
GGCCACCTAAGTGAGCCATCGTCCCCAGCCGGAGCTGTGAAGTCCACCCTGCCACCCCCAGCACCA
CCCCTGCGCCTCTGCCTCCACACCCACACCCTCACCCCACTCCGTGGCCCTACCTCTGCCACCTCCC
CGTGCAGCAGCAGCCACAGCAGAAGACCCCTCTGCCAGCCCTCTCCCCACCGGCTGCCCTGCC
CAGACACTGGTGCCAGCTCCAGCCCATCTGGTGGCGAGCGGTGGGGTGGCTCCACGGTCAATGCCACA
CAGCCACCACTCAGCCTTCAAGTATCCAGACTGTGAACCAGTTCTGAGGGGCCAGGCGGCAAGCACAT
CGCCACATCGCCCTCGGCCCCAGCCTGCGGTGCAACTGGCGCTGCCACACCCCAATTGGGCAC
ATCACTGTGCACCCTGCCACCCTCAACCATGTGGCCACCTGGGCTCCCAGCTGCCCTTGTACCCGACG
CCGTGGCAGTGAGCCACATCGCCACACCCCTCTCGCACCAGCAAGTCAACGGCACGGCCGGCCTGGGGC
CCCGGCTACTGTATGGCAAAGCCGGCGTGGGGCTCAGGTGGTGCACCACCCAGCTGGTGGCCAG
ACCGTGTCAACCCTGTGACCATGGTCACCATGCCCTCTCCAGTCAGCACACTCAAGCTGGCTTGA
    
```

Clone variation with respect to NM_020310.2

Restriction Sites: Please inquire

ACCN: NM_020310

Insert Size: 4500 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020310.2.
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:	NM_020310.2 , NP_064706.1
RefSeq Size:	4865 bp
RefSeq ORF:	1749 bp
Locus ID:	4335
UniProt ID:	Q99583
Cytogenetics:	17p13.3
Gene Summary:	The Myc/Max/Mad network comprises a group of transcription factors that co-interact to regulate gene-specific transcriptional activation or repression. This gene encodes a protein member of the Myc/Max/Mad network. This protein has a basic-Helix-Loop-Helix-zipper domain (bHLHzip) with which it binds the canonical DNA sequence CANNTG, known as the E box, following heterodimerization with Max proteins. This protein is likely a transcriptional repressor and an antagonist of Myc-dependent transcriptional activation and cell growth. This protein represses transcription by binding to DNA binding proteins at its N-terminal Sin3-interaction domain. [provided by RefSeq, Jul 2008]