

Product datasheet for **SC112852**

MTBP (NM_022045) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTBP (NM_022045) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTBP
Synonyms:	MDM2BP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112852 sequence for NM_022045 edited (data generated by NextGen Sequencing)

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ATGGATCGGTACCTGCTGCTGGTATCTGGGGGAAGGAAAATCCCGTCGGCGGCCAGT
AGGGAGGCAGAACATGGGCCAGAGGTGTCGTGGGTGAGGGTACTGAGAATCAGCCGGAC
TTCACAGCAGCAAATGTTTATCACCTCTTGAAAAGAAGCATTAGTGCTCAATTAATCCA
GAAGATAGTACTTTCCCTGCCTGTTTCAGTGGGAGGTATACCTGGTTCCAAGAAGTGGTTC
TTTGCAGTGCAGGCAATATATGGATTTTATCAGTTTTGTAGTTCTGATTGGCAAGAGATA
CATTTTGTATACAGAAAAAGATAAAAATTGAAGATGTTCTTCAAACGAATATCGAAGAATGT
TTGGGTGCTGTTGAGTGTGTTGAAGAAGAAGACAGTAATAGCAGGGAATCATTATCCTTG
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CCTGGTAGAGCAATGGTAGATATAATACTGTTGCTTTCTGACAAAAGATCCTCCTAAATTG
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Clone variation with respect to NM_022045.3
 2200 t=>c

5' Read Nucleotide Sequence: >OriGene 5' read for NM_022045 unedited
 GAATTCGGCACCAGGGAAGCCGAGACCTAAAGTTGGGGGTGATCTCTGAGGAGATGGAT
 CGGTACCTGCTGCTGGTATCTGGGGGAAGGAAAATCCCGTCGGCGGCCAGTAGGGAG
 GCAGAACATGGCCAGAGGTGTCGTGCGGTGAGGGTACTGAGAATCAGCCGGACTCACA
 GCAGCAATGTTTATCACCTCTTAAAAAGAAGCATTAGTGCTTCAATTAATCCAGAAGAT
 AGTACTTTCCCTGCCTGTTCACTGGGAGGTATACCTGGTCCAAGAAGTGGTCTTTGCA
 GTGCAGGCAATATATGGATTTTATCAGTTTTGTAGTTCTGATTGGCAAGAGATACATTTT
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 CTCTATGAAGAAGCTGCAGAAAATTTGCATCAGCTGTCAGACAAGCTTCTGCTCCTGGT
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 TAGCAGGAAATCATTGTGAAATAACTGTCAGAAAATGCAGAATACCTTTCTNGCTATGGN
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3' Read Nucleotide Sequence: >OriGene 3' read for NM_022045 unedited
 TTGGCCGCGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAA
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 TTTCAAAAAGACGCTGGCTGCATGCAGGGAACATTCATGAGTCTCGGAAATACGGGGTT
 TTTTCAGGGTTTCAGTAACTACTTCTTTCAGTATCCGGGGGGTTTCTGCGACCTTGATC
 CCTTAATTCGCCTTGACGTTTTTATTGATTCATGCCTCCTTTTGGACCCGAACGGGTCTTTG
 TAGCAAGTTTGGGAGTCCCCAGCTAGGGATTTGGAACCATCGGACCAGCCACGGGCAAG
 GAACCGGTCTGGTTTGGGGCTTCTCGGATGTCACATGAAGGAGTGATGGGTTCACTC
 TTACCCAGTGGTCGGAACAGAAACAACATTTGGAACCTTCAAACATTTACAAGTCTCT
 TTCTTGGCGCAACAGGGCACTCAACCCTTTAAACTCTCGTTTTCTCAGGGGGCAACCT
 CCGAGTTGAAGTCTCATTCTGGCGAAAACCTTCCCGCGCGGGGACACTTCCCGGGATT
 CGGCCAACCATCTGCGCACGGGACAAGGCCTCACACCAGCAGTGTGCGGACAACCT
 TTCTGGGTGCGGGGGT

Restriction Sites: NotI-NotI

ACCN: NM_022045

Insert Size: 2890 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_022045.2](#), [NP_071328.2](#)

RefSeq Size: 3081 bp

RefSeq ORF: 2715 bp

Locus ID: 27085

UniProt ID: [Q96DY7](#)

Cytogenetics: 8q24.12

Gene Summary: This gene encodes a protein that interacts with the oncoprotein mouse double minute 2. The encoded protein regulates progression through the cell cycle and may be involved in tumor formation. [provided by RefSeq, Aug 2012]