

Product datasheet for **SC324058**

MBD6 (NM_052897) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MBD6 (NM_052897) Human Untagged Clone
Tag:	Tag Free
Symbol:	MBD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_052897.3

```
GCAAGGCTGCATTCTGCATGGACCGGCCGGGGCCGTACCGGAGGCTCGGGCTCCACCGA
CCCTCCTCCCACCCCTCCCACTCACCCTCTGGGCCGCGACTGCGCAGGGCGGGGCCGGC
CGAACCATGGGCCGCGGTGTGGGCTAAGCTGGTGGCCCCGGCTTTAGACTGGACCCACA
ATGTTTGCAGAGATGTTCAAGCACGCGGGAGCTGATTACACACAATGAATGGGGGCAATG
AGAGCAGTGGAGCAGACAGAGCTGGGGGCCCTGTGGCCACATCTGTCCCATCGGCTGGC
AGCGCTGTGTGCGAGAGGGTGTGTGCTCTACATCAGTCCAAGTGGCACAGAGCTGTCTT
CCTTGGAGCAAACCCGGAGCTACCTCCTCAGCGATGGGACCTGCAAGTGGGTCTGGAGT
GTCCACTTAATGTCCCCAAGGTTTTCACTTTGACCCCTTTGGCCCCGGTGACCCCGGGT
GGGCTGGGGTGGGGCCAGCATCAGAGGAGGACATGACCAAGCTGTGCAACCACCGCGGA
AAGCTGTTGCTATGGCACTCTGTACCGCAGCATGGAGACCCTGCTCACACTTTCTC
CTGGAGAGGGAGCGAGCCCCCAATGTTCCACACTGTGTCCCCAGGGCCCCCTCTGCC
GCCCTCCCTGTGAGTTCTCCTACAACCTCACTTAATGGGGGTCTGGTCCCTTCCCC
CAGAACCACCCTCAGTTTCCAGGCCTTTCCCACTCTAGCAGGCCTGGGGGCTTTTCC
CCCCAAGGCTTGCTGACCCAGTCCCTTCTGGGGCAGTAGCAGCCCCGTTTCTCCAA
GGGGCAATGCCCCCTCTCCAGCCCCACCTCCTCCACCTGCTATCAGCCTCAATGCTCCCT
CATACAACTGGGAGCTGCCCTCAGATCCAGCCTGGTGGCCTCTGACCTGGGCTCTCCTC
CGGCCCTCATGCCTCCTCCTCACCACCTCAGACCCTCCTCTCTTCACTGTAGTGATG
CCTTAACACCCCTCCCCTGCCCGAGCAATAATCTCCCGCCACCTGGTCTGCTGCT
CTCAGCCACAGTGTCTTCAGCCACTATGCACCTGCCCTGGTCTGGGGCCCTGGGAG
GGGCCCCCACGGTGGAGGGGCTGGGGCACCCCTTCTTGCTAGCAGCCTACTCTCTG
CAGCGGCCAAGGCACAGCATCCCCCACTACCCCTCCCAGCACTTTACAGGGCCGAAGGC
CCCGTGCCAGGCACCCTCAGCTTCCCACTCCTCATCACTTCGTCCCTCTCAGCGTCGTC
CCCGCAGACCCCTACTGATTTGATTGCTAGAGGGAGAGGCCCTCAAACCCCTAGAC
GGAGCCGTCCTCGGGCCCTGCTCCTGTCCCCAACCCTTTTCTCTCCCGGAGCCATCCC
AACCAATTCTCCCTTCTGTGCTGTCCTGCTGGGACTCCCCACCCTGGCCCTTCCCACT
CTGATGGAAGCTTTAACCTTTTGGGGTCAGATGCACACCTTCTCCTCCCCAACCCCTCT
CCTCAGGGAGCCCTCCCCAGCCAGGCACCCCATCCAGCCCTCCCTGCGCTGGGACCACCA
GTGGCAGCCTCAGCAGTGTGCCAGGTGCCCTGCCCCACCAGCTGCCTCCAAAGCCCCAG
```



[View online »](#)

TAGTCCCCAGCCCTGTGCTTCAAAGCCCATCCGAAGGACTGGGGATGGGGCAGGCCCGG
 CCTGCCCTCTGCCTCCCCTGGCTGGTGGAGAGGCTTCCCTTTCCCAGCCCTGAGCAGG
 GCCTGGCACTGAGTGGAGCTGGCTTCCCTGGGATGCTTGGGGCCTTGCCTCTCCCTCTGA
 GTCTGGGGCAGCTCCACCTTCTCCATTGCTCAACCACAGTTTATTTGGTGTGCTGACTG
 GGGGAGGAGGACAACCTCCCCCTGAGCCCTGCTACCCCCACCAGGAGGACCTGGTCCCTC
 CCCTAGCCCCAGGAGAGCCTGAAGGGCCTTCGCTTTTGGTGGCTTCTTGCTTCTCCAC
 CACCTCAGACCTTCTTCCACCTCCTTCAGCACCTCCCAGCAACCTCCTTGCCTCTTTCC
 TGCCCTGTTGGCTCTGGGCCCCACAGCTGGGGATGGGGAGGGATCTGCAGAGGGAGCCG
 GGGGTCCAAGTGGGGAGCCATTTTCAGGCTTGGGAGACCTGTCCCCCTACTTTTCCCCC
 CACTTTTACGCCCCCTACCTCATAGCTTTAAATTCTGCGTGTGGCTGCCACCCTGG
 ATCCCCCTCGGGGACACCCCCCAGCCCTGTGCTGAGTGCCCCCAACCTGGACCAC
 CTACCTCCAGTGTACCACGGCACTACTGACCCGGGGGCTCCTCTCTGGGCAAGGCC
 CCTCAACTCAGGGAGACCCCCCAACTCCTTAGCCCTCTGCTGGGTGCCAGCTGCTGA
 GTGACCTGTCTTCACTGACCAGCAGCCCTGGAGCCCTCCCAGCCTGTTGCAGCCTCTG
 GCCCTCTTCTCTGGCCAGTTGGGGCTGCAGCTCCTCCCTGGGGGGGAGCTCTCCAC
 CCCTCTCAGAGGCTTCTAGTCCCTAGCCTGCCTGCTACAGAGTCTCCAGATCCCTCCAG
 AGCAGCCAGAAGCCCCCTGTCTACCCCCGAGAGCCCTGCCTCAGCCCTCGAACCAGAGC
 CTGCCAGGCCTCCCCTCAGTGCCTTAGCCCCACCCATGGTTCTCCGACCCCCCAGTCC
 CTGAGCTGCTCACTGGGAGGGGTGAGGAAACGGGGCCGAGGGGAGGAGGGGGACTTA
 GGGGCATTAATGGTGAGGCCAGGCCAGCCCGGGGCCGAAAGCCTGGCAGCCGGCGGGAGC
 CTGGCCGACTGGCCCTCAAATGGGGACACGTGGTGGCTTCAATGGACAAATGAAAGGT
 CCAAAGATCCACCCCTCCCGGGCCCATCTGAGGACCTAAGGTGCCCCGGGAGTAG
 TCAGAAAGTCTCGTGGCCGTAGGAGAAATACAACCTACCCGGAACAGCAATAGT
 CCCGCCAGGACATTACCTTGGAACCCAGCCCTACAGCCGAGCAGCTGTCCCTCTGCCTC
 CCCGGGCCGCCCTGGCCGTCTGCCAAAAACAAGAGGAGGAACTGGCCCCATAGCAGC
 CATACCTGGAGCTGGATCTGACCCTGATTGGGGAGAGCTGAGTGTGAGCCTTGGGAGCC
 CCTGCCAGCCACCTGCACCTGTGGACAGTGGGTGGGGCACTACTCCCACTCAGAGCAC
 AAATGCAACTCCTTCCCCTACAATCCCATCCTGAGCCATTGCAGGGGGCAGGGAAGTTCA
 CCCCCCCCCACCACCCCCCGCCCCCGAAGCCATGTCACTGAAAAGGCTGGGGGGGA
 TGGTATATGGCCCTTTCCCACCAGGCGCTAAGGGGAACACCCCTTCCCAGGTCTTTT
 ATTTGTTTAAAGTTATTTTGCACAAATGACTCTTTTATATTTAATTCGATTTTCATTGCCT
 CCCTTCTTAAAGCCAACAGGCTCAGTTTACAACTGTGAGCTACTGTTGGCTGTGCC
 TCCTTCCCAGTGAAAGGTACAAAGCAATAAGCATCATGCATCCTCCCCTTACCCCTCAA
 CACCCCTCTGCCTCTGGCTCAGGTTGCTCAAAGCACAGATCCTCTTACCCCGTCCCCA
 GGTTTGAAACACATAGCCTCATTTCAAGGTGTAGCCAGGTTCCCCGACTTCTCTCTGGG
 ATATAAAAAAGGGGTAAAGGGGCAAGAGAGCCCTCTGGGCCTCTCCTCCCATACAC
 TACACTGCCCCCTCTCCCCCATCAAAACGCTCAGAGACGTTGTGATGATGCGACTGAGG
 ATTATGCAACGTGGTCCAACCGGAGCGGCCAGCATGACCAGCTGTCCAGGGGCTGCCTCC
 TGCCCTTTCTTTTGTAAAGACAAGACCCTTGGGAGTTTTAATTCTGTTTTGTACTTGCCC
 TGTGGGGCTCCACTGCTTTTCTATGGGAGACACTCTTAATTTAACAGATGAGAATATTT
 TGAAACTCTGAAAAAAAAAAAAAAAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_052897

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:	<u>NM_052897.3, NP_443129.3</u>
RefSeq Size:	4214 bp
RefSeq ORF:	3012 bp
Locus ID:	114785
UniProt ID:	<u>Q96DN6</u>
Cytogenetics:	12q13.3
Domains:	MBD
Gene Summary:	Binds to heterochromatin. Does not interact with either methylated or unmethylated DNA (in vitro).[UniProtKB/Swiss-Prot Function]