

Product datasheet for **MC223181**

Mbd6 (NM_033072) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbd6 (NM_033072) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mbd6
Synonyms:	D10Wsu93e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223181 representing NM_033072 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGAGACAATGCGAGCAGTGCAGCAGACAGAGCTGGGGGCCCTGCCGCCACGCCTGTCCCCATCC
CCATCGGGTGGCAACGCTGTGTGCGAGAAGGTGCTGTGTACTATATCAGCCCAAGTGGCAGACAGCTGTC
TTCTTGGAGCAAACCCGTAGCTACCTCCTCAGCGATGGGACCTGCAAGTGGGTCTGGAGTGCCACTT
AATGTACCAAGGTTTTCACTTTGACCCTCTGCCCCGGTGACCCGGGTGGGGCTGGGTGGGGCCTG
CATCAGAGGAGGACATGACCAAGCTGTGCAACCACAGGCGGAAAGCTGTTGCCATGGCAACTCTGTACCG
CAGCATGGAGACCACCTGCTCACACTCTTCTCCTGGAGAGGGAGCAAGCCCCAGATGTTCCACACTGTG
TCCCCAGGGCCCCCTCTGTCCGCCCTCCTGTGAGCTCCTCCTACAACCTCACTTAACGGGGTCTCTG
GCTCCATTCCCCAAGACCCACCTTCCGTTCCCCAGGCCTTCCCCCTCTGACAGGCCCTGCAGGGCTCTT
CCCACCACCCGGCTTCTGATCCAGTTCCTCTGCAGGCAGCAGCAGCCCTTGTTCCTCCCAAGAGGC
AATGCTCCCTCTCCAGCCCCACCTCCCCACCTGCTATCAGCCTCAATGCCCCCTCTACAACCTGGGGG
CTTCCCTCCGATCCAACCTGGTGCCTCTGACCTGGGCTCTCTCCAGCCCTCACGCCTCTCTTACC
ACCCTCAGACTCTCCTCTCTTCCACTGTAGCGATGCCTTAACATCTCCTCCCTGCCCAAGCAATAAC
CCCCCTGGTCCCCCTGGCCCCCTGGTCTGCCACTCAGCCACCAGTGTCTTCCAGCCACTATGCACCTGC
CCTTGGTCTGGGATCCTTGGGAGGGGCCCGCAGTGAGGGGCTGGGGCACCCCATTCCTTGCTAG
CAGTCTGCTCTCTGCAGCAGCCAAGGCCAGCTGCCCCCTCCAGCACTTACAGGGCCGAAGGCCCGCT
GCCAGGCACCCCTCAGCTGCCATGCATCACCCGTCCTCTCAGCGGGGCTCGCCGGCCCCCACTG
TCTTGGGTTGCTAGAAGGGGAGGCCCTCAGACCCCTAGACGGACTCGTCTCGGGCCCTGCTCCTGT
CCCTCAGCCCTTCTCTCCCAGAGCCATCCAGCCTATTCTCCCTCTGTGCTGTCCCTACTGGGACTC
CCCACCCCTGGCCCTTCCACTCGGATGGAAGCTTTAACCTTTTGGGGTCAGATGCACACCTTCTCCTC
CCCCAGCCCTCTCCTCAGGGAGCCCTCCCAGCCAGGCACCCCATTCAGCCCTCTCTGCCTGGGACCAC
CAGTGGCAGCCTCAGCAGTGTGCCAGGTGCCCTGCCCCACCAGCTGCCTCCAAAGCCCCGTAGTCCCC



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AGTCCTGTGCTTCAAAGCCCGTCTGATGGGCTGGGGATGGGGGAGGCCAGCCAGCCTGCCCTCTGCCTCCCT
TGGCTGGTGGGGAGGCTTTCCCTTTCCCCAGCCCTGAGCAGGGCCTGGCTCTCAGTGGAGCTGGCTTCCC
GGGGATGCTAGGGGCTTGCCTCTCCCTCTGAGTCTGGGGCAGCCTCCCCCTTCTCCATTCTTAGCCAC
AGTTTATTTGGTGTGCTGGCGGGGGAGGACAGCCTCCTCTGAGCCCTGTTGCCCCGCCAGGGGGG
CTGGCCCTCCCTCAGCCCCAGGCGAGCCGAAGGGCCTTCACTCTGGTGGCTTCTCTGCTTTACCACC
CCCTTCGACCTCCTCCCGCTCCTTCTGACCCCCCTAGCAATCTCCTTGCTCTTTTCTGCCCTGTTG
GCCCTGGGCCCCACAGCTGGGGATGGGAAGGCTCTGCAGAGGGAGCTGGGGGTCCAAATGGGGAGCCAT
TTTCAGGTTTGGGAGACCTGCCCCCTATTATTCCCCCACTTTCAGCCCCACCCACCTCATAGCTTT
AAATTCTGCGCTGCTGGCTGCCAGCCTGGATCCCCCTTCGGGGACACCCCCCAGCCTGTGTCTGAGT
GCCCCCAACCTGGACCACCTACCTCCAGTGTCACACGGCACTACTGACCCGGGGGCTCCTCTCTGG
GCAAGGCCCCCTCAACTCAGGGAGACCCCACTTCTTAGCCCTCTGCTGAGTGCCAGCCTGCTGGCAGG
TGATCTGTCTTCACTGGCAGCAGCCTGGAGCCTCCCCAGCCTGTTGCAGCCTCCTGGCCCTCTTCTT
TCCAGCCAGTTAGGGCTGCAGCTCCTCCTGGGGGGGAGCGCCTCCCGCCTGTCAGAGGCTTCTAGTC
CCCTAGCCTGCCTGCTACAGAGTCTCCAGCAGATCCCTCCAGAGCAGCCAGACGCCCCCTGTCTGCCCC
CGAGAGCCCCGCTCAGCCTCGAACCGGAGCCTGCCCGCCTCCCTCAGTGCCTTAGCCCCACCCAT
GCTTCTCCTGACCCCCAGTCCCCGAGCTGCTCACTGGGAGGGGTGAGGAAACGGGGCCGAGGGGAG
GAGGGGGACTTAGGGGCATTAACGGTGAGACCAGGCCAGGCAGAGGCCGAAGCCGGGCAGCCGCCGAGA
GCCTGGCCGGCTAGCACTCAAGTGGGGGACAGTGGTGGCTTCAATGGACAAATGGAACGGTCCCCAAGA
AGGACTCACCATTGGCAGCATAATGGGGAGCTAGCGGAAGGGGTGCTGAGCCCAAGGATCCACCCCTTC
CTGGGACCCATTCTGAGGACCTTAAGGTGCCCCGGGGATAGTCAGAAAGTCTCGTCGTGGCCGGAGGAG
AAAATACAACCTGCCCCGAACAGCAGCAGCTCCCGCCAGGACGTGACCTTGAACCCAGCCCTACAACG
CGAGCAGCTGTCCCTTTCCTCCCCGGGCCCGCCTGGACGTCTGCCAAAATAAGAGGAGGAACTGG
CCCCA TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_033072
Insert Size:	3018 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_033072.2, NP_149063.2</u>

RefSeq Size:	4046 bp
RefSeq ORF:	3018 bp
Locus ID:	110962
UniProt ID:	<u>Q3TY92</u>
Cytogenetics:	10 74.5 cM
Gene Summary:	Binds to heterochromatin. Does not interact with either methylated or unmethylated DNA (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).