

Product datasheet for **MC224878**

Mbd5 (NM_029924) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbd5 (NM_029924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mbd5
Synonyms:	9430004D19Rik; AA536666; AI426407; C030040A15Rik; Gm1630; OTTMUSG00000012483
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224878 representing NM_029924 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATGGAGGCAAAGAGTGTGACGGAGGAGACAAGGAAGGAGGCTTGCAGCTATCCAGGTTCTGTGG
GTTGGCAGCGCGTGTGGACCATAATGGCGTGTGTACATCAGTCCCAGTGGGCTTTTGTATCTTGCTT
GGACCAGGTTAAGACATACCTGCTCACTGACGGAACATGCAAGTGTGGCTTGAATGTCTCTTATTCTT
CCCAAGGTGTTTAAATTTGATCCTGGAGCTGCTGTGAAGCAGAGAAGTGCAGAAGATGTTAAGGCAGATG
ATGATGTCACAAAAGCTATGCATACATAAAAAGAAAGATCATTGCAGTGGCCACACTCCATCAAAGCATGGA
GGCCCCGCATCCTTCTCTGGTGCTCACCAGTCTGGAGGAGGAACAAATGCAACTCCAGTAGTACCTTCA
CGGGCGGCAACTCCAAGTACAGTAAGAAACAAGTCTCATGAAGGAATTACAAATTCTGTAATGCCAGAAT
GTAAGAATCCTTTCAAGTTAATGACTGGATCATCAAATGCCATGGGAAGGCTATACATGCAAGACCTGCC
TGAAGCCAGCAGCAGGAGCTCCACCCTGTCTACCCCGCCAGAGATTGGGCAGTAGTGAGCATGGACAG
AAATCTCCATTTCTGTCAGCCATGGAGGCCTGCCTAGCCAGCATCATCAGGGTCTCAGATCTATGGAG
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CATGGTCTCCCGTACAGTCATCCTGTGCAATGGCTGGAAGAATAATATACCTCTTTCCCAACCTTGA
CTACAAAGAGTCCAGTAATGAAAAACCAATGTGTAATTTTCAACTAATATGGAATACCACGAGCAAT
GTTCCACCACAAACCACCCCAAGGCCACCTCCCCCTCTCCACCTTCTTGCTCTTCAGAAAAAGCCA
TTAACATCTGAGAAAGATCCACTTGGCATTCTTGACCCTATTCTAGTAAACCAGTGAATCAGAACCCTA
TTATCATTAATCCAACAGTTTCCATTCAAATGCCACTCTCAGGTACCTGTGATGAATGAAGCATGCC
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AGATCATGGAAATTTTCATGATGCCACCTGTAGGACCCAGGCCACTTGTAGTGGCATAAAGGTTCCACCT
AGGTCACCAAGGTCAACAATAGGTTCCCAAGGCCATCAATGCCATCAAGCCCTTCTACCAAGTCTGATG



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GACATCATCAGTACAAGGATATCCCTAACCCATTAATTGCTGGAATGAGTAATGTACTCAATACCCCAAG
CAGTGCAGCTTTTCTACTGCACCTGCCGAAATGGTTCTGTAAGAGAGTCAGCCTGGTTTCTGGGAATG
CCTTTAAATCAGATCTTGAACCAGCACAATGCTGCCTCCTTTCCAGCAAGTAGTTTACTCTCAGCAGCAG
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CTCGGCATCGGCAACACCGCTATTATCCAGAGGTTTCCATAGCAACCTCCTCCAGGCAACCACTACC
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GCAGCTCTTAAATAAAAGAATAAGCACTCAGCCTGGGCTCACAACTTCTGAAAACCCAAACCTTG
CACTTCCACATTTCCAAGATACACCCTGTGAGCTGCAGCCAAGGATTGACCTTGGTCCAGCTATGAAGGA
CGGCCTCGTTATGGGTGGCAAGGAGATGCCTCCGTAGACGCCATTTACAAAGCAGTTGTGGATGCAGCC
AGCAAAGGAATGCAGGTTGTATCACCCTGCTGTCAACAGCAGCACTCAATCAGCCCTATCCAGCCC
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CATCCACGGGCGGAACATGGGAGGAGTGGATCATGATGGCAGGCTGAGGAATGCGAGAGGGGCACGGCTA
CCCAAGAACATAGACCATGGGAAGAATCCAGCGAAGGAGACGGGTTTGAAGTGTTCAGTCAAGTCAAGCAG
GCCACACATCCAGAAAACAGTGGGATGGGAGCAAAGTCCAGAGGGGAGCGCAACAGGTGGAAGTATGA
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ACTGCAAAACAAGACCTAGTTCTAGAGGGCAGTCTCCGGTTCTTCAAATAGTTTGGAAAGTTCTCTGG
TCAAAGACTACATCCATTACAATGGAGACTTTAATGCCAAAACCTAATGGGTGTGTGCTAGTCCCTC
AGATGCTAAAAGCATTAGTAGTGAAGACGACCTACGGAATCCAGACTCCCTCCTCACATGAGTTGATA
CACTATAGACCAAGGACGTTCAACGTTGGCGACTTGGTCTGGGGCAAATCAAAGGACTGACTTCTGGC
CTGGGAAATTCATAAGAGAAGACGACGTTCACAATTCATGCCAACAAAGCCCGAGGAAGGGAAGGTGGA
GCCCGAGAAGTTGAAGACTCTCAGAGAAGTTTGAAGCCTACAGCCGCTCCGGAAGGAGCAGAAAA
AGTGGGAAACTAAATAACCATTTAGAAGCTGCTATTCAGGAGCCATGAGCGAAGTGGACAAAATGTCTG
GGACTGTTACCAAAATCCACAGGGTGACAGACAAATGAGGCCCCCAACCCAAGAGGAGGAAGATCTC

CAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_029924
Insert Size:	5187 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:	<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:	<u>NM_029924.2</u> , <u>NP_084200.1</u>
RefSeq Size:	7055 bp
RefSeq ORF:	5187 bp
Locus ID:	109241
Cytogenetics:	2 C1.1
Gene Summary:	<p>Binds to heterochromatin. Does not interact with either methylated or unmethylated DNA (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). This variant has an inferred 5' UTR exon combination based on the mRNA AK155574.1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>