

Product datasheet for **MC229606**

Mbd5 (NM_001290656) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbd5 (NM_001290656) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mbd5
Synonyms:	9430004D19Rik; AA536666; AI426407; C030040A15Rik; Gm1630; OTTMUSG00000012483
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229606 representing NM_001290656 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGAGGCAAAGAGTGTGACGGAGGAGACAAGGAAGGAGGTCTTGCAGCTATCCAGGTTCTGTGG
GTTGGCAGCGCGTGTGGACCATAATGGCGTGTGTACATCAGTCCCAGTGGGTCTTTGTTATCTTGCTT
GGACCAGGTTAAGACATACCTGCTCACTGACGGAACATGCAAGTGTGGCTTGGAAATGTCCTTATTCTT
CCCAAGGTGTTAATTTTGATCCTGGAGCTGCTGTGAAGCAGAGAAGTGCAGAAGATGTTAAGGCAGATG
ATGATGTCACAAAGCTATGCATACATAAAAAGAAAGATCATTGCAGTGGCCACACTCCATCAAAGCATGGA
GGCCCCGATCCTTCTCTGGTGCTCACCAGTCCCTGGAGGAGGAACAAATGCAACTCCAGTACCTTCA
CGGGCGGCAACTCCAAGATCAGTAAGAAACAAGTCTCATGAAGGAATTACAAATCTGTAATGCCAGAAT
GTAAGAATCCTTTCAAGTTAATGACTGGATCATCAAATGCCATGGGAAGGCTATACATGCAAGACCTGCC
TGGAAAGCCAGCAGCAGGAGCTCCACCCTGTCTACCCCGCCAGAGATTGGGCAGTAGTGAGCATGGACAG
AAATCTCCATTTCTGGCAGCCATGGAGGCTGCCTAGCCAGCATCATCAGGCTCAGATCTATGGAG
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TCATGGAGCTCCCAATTCAGCCCTATTCACCTAAATAGGACTCCTCTTCTCCACCTTCAGTAATGCTA
CATGGTTCTCCCGTACAGTCATCCTGTGCAATGGCTGGAAGAACTAATACCTTTTCCCAACCTTGA
CTACAAAGAGTCCAGTAATGAAAAACCAATGTGTAATTTTCAACTAATATGGAATACCCAGCAAT
GTTCCACCACAAACCACCCCAAGGCCACCTCCCCCTCCTCCACCTTCTGTGCTCTTCAGAAAAAGCCA
TTAACATCTGAGAAAGATCCACTTGGCATTCTTGACCCTATTCCTAGTAAACCAGTGAATCAGAACCCTA
TTATCATTAATCCAACCAGTTTCCATTCAAATGTCCACTCTCAGGTACCTGTGATGAATGTAAGCATGCC
TCCTGCTGTTGTTCTTTGCCAAGTAATCTCCCTTTGCCAACTGTAAAACCTGGTCATATGAATCATGGG
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ACATGATGGGACTGGAATTGGAAGGATTGAGGCATCGCCCCAAAGATCACGCTCATCTCCACATCATC
AGATCATGGAATTTTCATGATGCCACTGTAGGACCCAGGCCACTTGTAGTGGCATAAAGTTCCACCT



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AGGTCACCAAGGTCAACAATAGGTTCCCAAGGCCATCAATGCCATCAAGCCCTTCTACCAAGTCTGATG
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 CAGTGCAGCTTTTCTACTGCACCTGCCGGAATGGTTCTGTAAGAGAGTCAGCCTGGTTTCTGGGAATG
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 TGTTCTTCAGAATTCAGTACACAGAGCATACCTTTAAGAGGGGAAGCCGTGCAGTGCACAATGCAAAAC
 ACTAATTTGTTACAGTAACAGTCCAGTCCCAACCACCATCTGCAGGTTTAAATAATCAGATTCAGG
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 CAAAGACAACATCTGTTCTCAAGATGGTGCATAGTACCACCCGAGCTGGAAACCCACTGCAGAGTCA
 GCTGCCATTGGGAGTGACTTTCTTTTGTGGCCAAGAGCATGCCCTTCATTTTCCATCCAACAGCACC
 GCAAACAACCATCTTCCACACCCCTTGAACCCAGCCTCCTCAGCTCTCTACCTATCTCTTTGCCAGTGA
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 TTTCTCCAAATCAGCAGCCGACGCAACACCTTCTCCAGGGACACCAGAATCTCCAGGCCCTTCCAAGGAC
 AACCCACAGTCCCTTGCCAGCTAACAAATAACCCCATGGCTTGTCTGTTTCAAGACTTCCAGGTGAGGAT
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 CCAAACCTTGCACTTCCACATTTCCAAGATACACCCTGTGAGCTGCAGCCAAGGATTGACCTTGGTCAGC
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 GGATGCAGCCAGCAAAGGAATGCAGGTTGTATCACCAGTGTGTCAACAGCAGCACTCAATCAGCCCT
 ATCCCAGCCCTGAGCGCCATGAGTGCCTTCACTGCCTCATTGGTGACCCATTAATCTGTCCAGTGTG
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 AGTTCTCTGGTCAAAGACTACATCCATTACAATGGAGACTTTAATGCCAAAACCATTAATGGGTGTGTGC
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 TGAGTTGATACACTATAGACCAAGGAGTTCAACGTTGGCGACTTGGTCTGGGGCCAAATCAAAGGACTG
 ACTTCTGGCCTGGGAAATTCATAAGAGAAGACGACGTTTCAATTCATGCCAACAAAGCCCGAGGAAG
 GGAAGGTGGAGCCGAGAAGTTGAAGACTCTCACAGAAGGTTTGAAGCCTACAGCCGCTCCGGAAAAAG
 GAGCAGAAAAAGTGGGAACTAAATAACCATTTAGAAGCTGCTATTACAGAGGCCATGAGCGAACTGGAC
 AAAATGTCTGGGACTGTTACCAAATCCCACAGGGTGACAGACAAATGAGGCCCCCAACCCAAGAGGA
 GGAAGATCTCCAGATAA

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001290656
 Insert Size: 4497 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290656.1</u> , <u>NP_001277585.1</u>
RefSeq Size:	5301 bp
RefSeq ORF:	4497 bp
Locus ID:	109241
UniProt ID:	<u>B1AYB6</u>
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 (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a. The 5' UTR of this variant is incomplete due to a lack of full-length transcript support and splice pattern ambiguity in the upstream region. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>