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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224878 representing NM_029924
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATGGAGGCAAAGAGTGTGACGGAGGAGACAAGGAAGGAGGTCTTGCAGCTATCCAGGTTCCTGTGG
GTTGGCAGCGGCGTGTGGACCATAATGGCGTGCTGTACATCAGTCCCAGTGGGTCTTTGTTATCTTGCTT
GGACCAGGTTAAGACATACCTGCTCACTGACGGAACATGCAAGTGTGGCTTGGAATGTCCTCTTATTCTT
CCCAAGGTGTTTAATTTTGATCCTGGAGCTGCTGTGAAGCAGAGAACTGCAGAAGATGTTAAGGCAGATG
ATGATGTCACAAAGCTATGCATACATAAAAGAAAGATCATTGCAGTGGCCACACTCCATCAAAGCATGGA
GGCCCCGCATCCTTCTCTGGTGCTCACCAGTCCTGGAGGAGGAACAAATGCAACTCCAGTAGTACCTTCA
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TGGAAGCCAGCAGCAGGAGCTCCACCCTGTCTACCCCCGCCAGAGATTGGGCAGTAGTGAGCATGGACAG
AAATCTCCATTTCGTGGCAGCCATGGAGGCCTGCCTAGCCCAGCATCATCAGGGTCTCAGATCTATGGAG
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CTACAAAGAGTCCAGTAATGAAAAAACCAATGTGTAATTTTTCAACTAATATGGAAATACCACGAGCAAT
GTTCCACCACAAACCACCCCAAGGCCCACCTCCCCCTCCTCCACCTTCTTGTGCTCTTCAGAAAAAGCCA
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ACATGATGGGGACTGGAATTGGAAGGATTGAGGCATCGCCCCAAAGATCACGCTCATCTTCCACATCATC
AGATCATGGAAATTTCATGATGCCACCTGTAGGACCCCAGGCCACTTGTAGTGGCATAAAGGTTCCACCT
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AGGTCACCAAGGTCAACAATAGGTTCCCCAAGGCCATCAATGCCATCAAGCCCTTCTACCAAGTCTGATG
GACATCATCAGTACAAGGATATCCCTAACCCATTAATTGCTGGAATGAGTAATGTACTCAATACCCCAAG
CAGTGCAGCTTTTCCTACTGCACCTGCCGGAAATGGTTCTGTAAAGAGTCAGCCTGGTTTGCTGGGAATG
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CCAAAGCACAGCTAGCAAATCAAAACAAACTTGCTGGTAACAACAGTAGCAGCAGTAACAATTCTGGAGC
TGTTGCCAGCAGCGGCAACACTGAAGGACACAGCACTTTAAACACCATGTTCCCTCCAACTGCCAACATG
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CACTTCCACATTTCCAAGATACACCCTGTGAGCTGCAGCCAAGGATTGACCTTGGTCAGCCTATGAAGGA
CGGCCTCGTTATGGGTGGCCAAGGAGATGCCTCCGTAGACGCCATTTACAAAGCAGTTGTGGATGCAGCC
AGCAAAGGAATGCAGGTTGTCATCACCACTGCTGTCAACAGCACGACTCAAATCAGCCCTATCCCAGCCC
TGAGCGCCATGAGTGCCTTCACTGCCTCCATTGGTGACCCATTAAATCTGTCCAGTGCTGTGAGCGCTGT
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CTGCCATTTCTAGCTGGGGAACAGCACCCGATACTGTTACCACCAAGAAACTGTCAAGGTGATAAGATTC
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GCCCGAGAAGTTGAAGACTCTCACAGAAGGTTTAGAAGCCTACAGCCGCGTCCGGAAAAGGAGCAGAAAA
AGTGGGAAACTAAATAACCATTTAGAAGCTGCTATTCACGAGGCCATGAGCGAACTGGACAAAATGTCTG

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GGACTGTTCACCAAATCCCACAGGGTGACAGACAAATGAGGCCCCCCAAACCCAAGAGGAGGAAGATCTC
CAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-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:	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_029924.2, NP_084200.1
RefSeq Size:	7055 bp
RefSeq ORF:	5187 bp
Locus ID:	109241
Cytogenetics:	2 C1.1
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 (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.

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