

Product datasheet for **RC208987**

MBD6 (NM_052897) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MBD6 (NM_052897) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MBD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208987 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGGGGCAATGAGAGCAGTGGAGCAGACAGAGCTGGGGCCCTGTGGCCACATCTGTCCCCATCG
 GCTGGCAGCGCTGTGTGCGAGAGGGTGCTGTGCTCTACATCAGTCCAAGTGGCACAGAGCTGTCTTCTT
 GGAGCAAACCCGGAGCTACCTCCTCAGCGATGGGACCTGCAAGTGCAGTCTGGAGTGTCCACTTAATGTC
 CCCAAGGTTTTCAACTTTGACCTTTGGCCCCGGTGACCCCGGGTGGGGTGGGGTGGGGCCAGCATCAG
 AGGAGGACATGACCAAGCTGTGCAACCACCGCGGAAAGCTGTTGCTATGGCAACTCTGTACCGCAGCAT
 GGAGACCACCTGCTCACACTTCTCCTGGAGAGGGAGCGAGCCCCAAATGTTCCACACTGTGTCCCCA
 GGGCCCCCTCTGCCGCCCTCCTGTCGAGTTCCTCCTACAACCTCACTTAATGGGGTCTGGCTCCC
 TCCCCCAGAACCACCTCAGTTTCCAGGCCTTCCACTCTAGCAGGCCCTGGGGGGCTTTCCCCC
 AAGGCTTGCTGACCCAGTCCCTTCTGGGGCAGTAGCAGCCCCGTTTCTCCAAAGGGCAATGCCCC
 TCTCCAGCCCCACCTCCTCCACCTGCTATCAGCCTCAATGCTCCCTCATACAACCTGGGGAGCTGCCCTCA
 GATCCAGCCTGGTGCCCTCTGACCTGGGCTCTCCTCCGGCCCCCATGCCTCCTCCTCACCACCTTCAGA
 CCCTCCTCTTCCACTGTAGTGATGCCTTAACACCCCTCCCCTGCCCCGAGCAATAATCTCCCCGCC
 CACCCTGGTCTGCCTCTCAGCCACCACTGTCTCAGCCACTATGCACCTGCCCTGGTCTGGGGCCCC
 TGGGAGGGGGCCCCACGGTGGAGGGGCTGGGGCACCCCTTCTTGTAGCAGCCTACTCTCTGCAGC
 GGCAAGGCACAGCATCCCCACTACCCCTCCAGCACTTACAGGGCCGAAGGCCCGTGCCAGGCA
 CCCTCAGCTTCCACTCCTCATCACTTCGTCCCTCAGCGTCTCCCCGACACCCCTACTGTATTTT
 GATTGCTAGAAGGGAGAGGCCCTCAAACCCCTAGACGGAGCCGCTCTCGGGCCCCCTGCTGTCCCCCA
 ACCTTTTCTCTCCCGGAGCCATCCCAACCAATTCTCCCTTCTGTGCTGTCCCTGCTGGGACTCCCCACC
 CCTGGCCCTTCCACTCTGATGGAAGCTTAACTTTTGGGGTACAGTGCACACCTTCTCCTCCCCAA
 CCCTCCTCAGGGAGCCCTCCCCAGCCAGGCACCCATCCAGCCCTCCTGCCTGGGACCACCACTGG
 CAGCCTCAGCAGTGTGCCAGGTGCCCTGCCACCAGCTGCCTCAAAGCCCCAGTAGTCCCAGCCCT
 GTGCTTCAAAGCCATCCGAAGGACTGGGGATGGGGCAGGCCCGGCTGCCCTCTGCCTCCCCTGGCTG
 GTGGAGAGGCTTCCCTTCCCCAGCCCTGAGCAGGGCCTGGCACTGAGTGGAGCTGGCTTCCCTGGGAT
 GCTTGGGGCTTGCCTCTCCCTCTGAGTCTGGGGCAGCCTCCACCTTCTCATTGCTCAACCACAGTTTA
 TTTGGTGTGCTGACTGGGGGAGGAGACAACCTCCCCCTGAGCCCTGCTACCCACCAGGAGGACCTG
 GTCCCTCCCTAGCCCCAGGAGAGCTGAAGGGCCTTCGCTTTTGGTGGCTTCTTCTCCTCCACCACC
 CTCAGACCTTCTCCACCTCCTCAGCACCTCCCAGCAACCTCCTTGCCTTTTCTGCCCCCTGTTGGCT
 CTGGGGCCCCACAGCTGGGGATGGGGAGGGATCTGCAGAGGGAGCCGGGGTCCAAGTGGGGAGCCATTTT
 CAGGCTTGGGAGACCTGTCCCCCTACTTTTCCCCCACTTTTCCAGCCCCCTACCTCATAGCTTTAAA
 TTCTGCGTGTGGTGCACCCCTGGATCCCCCTCGGGGACACCCCCAGCCCTGTGTCTGAGTGCC
 CCCCACCTGGACCACCTACCTCAGTGTACCACGGCAACTACTGACCCGGGGCCCTCCTCTGAGGCA
 AGGCCCCCTCAAACCTCAGGGAGACCCCAACTCCTTAGCCCTCTGCTGGGTGCCAGCCTGCTGAGTGA
 CCTGTCTCACTGACCAGCAGCCCTGGAGCCCTCCCAGCCTGTTGCAGCCTCTGGCCCTTCTCTCT
 GGCCAGTTGGGGTGCAGCTCCTCCTGGGGGGGAGCTCCTCACCCCTCTCAGAGGCTTCTAGTCCCC
 TAGCCTGCCTGCTACAGAGTCTCCAGATCCCTCCAGAGCAGCCAGAAGCCCCCTGTCTACCCCCGAGAG
 CCCTGCCTCAGCCCTCGAACCAGAGCCTGCCAGGCCTCCCCTCAGTGCCTTAGCCCCACCCATGTTTCT
 CCCGACCCCCAGTCCCTGAGCTGCTCACTGGGAGGGGTGAGGAAACGGGGCCGAGGGGAGGAGGGG
 GACTTAGGGCATTAAATGGTGAGGCCAGGCCAGCCGGGGCCGAAAGCCTGGCAGCCGGCGGAGCCTGG
 CCGACTGGCCCTCAAATGGGGACACGTGGTGGCTTCAATGGACAAATGGAAAGTCCCCAAGAAGAACC
 CACCATTGGCAGCATAATGGGGAGCTGGCTGAAGGGGTGCTGAGCCCAAGGATCCACCCCTCCGGGG
 CCCATTCTGAGGACCTTAAAGTGCCCCGGGAGTAGTCAGAAAGTCTCGTCGTGGCCGTAGGAGAAAATA
 CAACCCTACCCGGAACAGCAATAGCTCCCGCCAGGACATTACCTTGAACCCAGCCCTACAGCCCGAGCA
 GCTGTCCCTCTGCCTCCCGGGCCGCCCTGGCCGTCTGCCAAAAACAAGAGGAGGAAACTGGCCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208987 protein sequence
 Red=Cloning site Green=Tags(s)

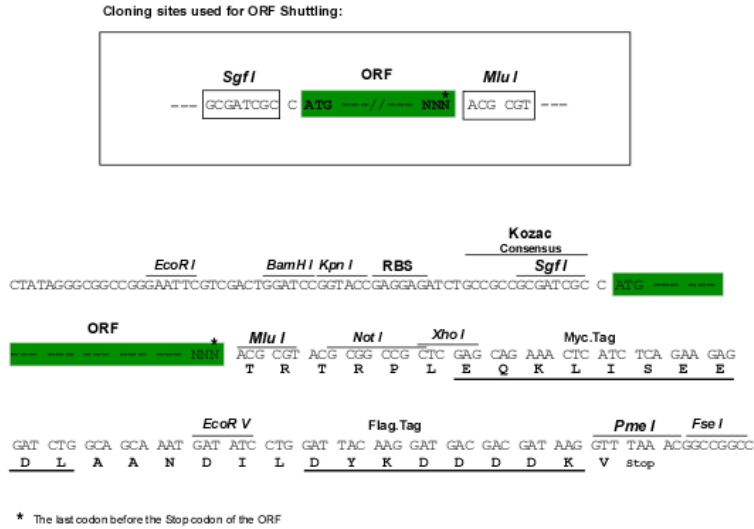
MNGGNESSGADRAGGPVATSVPIGWQRCVREGAVLYISPSGTELESSLEQTRSYLLSDGTCKCGLECLNV
 PKVFNFDPLAPVTPGGAGVGPASEEDMTKLCNHRKAVAMATLYRSMETTCSHSSPGEGASPMFHTVSP
 GPPSARPPCRVPPTTPLNGGPGSLPPEPPSVSQAFPTLAGPGLFPRLADPVPSGGSSSRFLPRGNAP
 SPAPPPPAISLNAPSYNWGAALRSSLVPSDLGSPAPHASSPPSDPPLFHCSDALTPPPLPSSNLLPA
 HPGPASQPPVSSATMHLPLVLGGLGGAPVEGPGAPPFLASSLLSAAAKAQHPPLPPPSTLQGRRPRAQA
 PSASHSSSLRPSQRRRPPPTVFRLLLEGRGPQTPRRSRPRAPAPVPQPFSLPEPSQIPILPSVLSLLGLPT
 PGPSHSDGSFNLLGSDAHLPPPPTLSSGSPQPRHPIQPSLPGTTSGLSSVPGAPAPPAASKAPVVPSP
 VLQSPSEGLGMGAGPACLPPLAGGEAFPPSPEQGLALSGAGFPGLGALPLPLSLGQPPPSPLLNHSL
 FGVLTGGGQPPPELLPPPGGPPPLAPGEPEGPSLLVASLLPPPSDILLPPSAPPNLLASFLPLLA
 LGPTAGDGECSAEGAGGSGEPFSGLDLSPLLFPPLSAPPTLIALNSALLAATLDPPSGTTPQCVLSA
 PQPGPPTSSVTTATDPGASSLGKAPSNSGRPPQLLSPLLGASLLSDLSSLTSSPGALPSLLQPPGPLLS
 GQLGLQLLPGGGAPPPLSEASSPLACLQSLQIPPEQPEAPCLPPESPASALEPEPARPPLSALAPPHGS
 PDPPVPELLTGRGSGKRGRGGGLRGINGEARPARGRKPGSRREPGRALKWGTTRGGFNGQMERSPRRT
 HHWQHNGELAEGGAEPKPPPGPHSEDLKVPVGVVRSRRRRRKYNPTRNSNSRQDITLEPSPTARA
 AVPLPPRARPRPAKNKRRKLAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

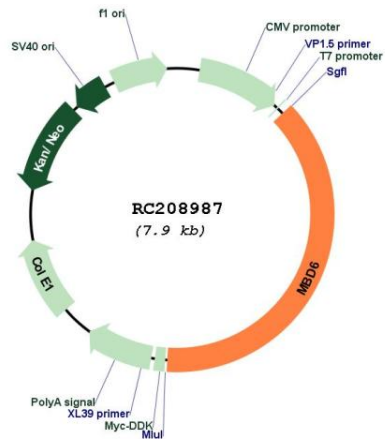


ACCN: NM_052897

ORF Size: 3009 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_052897.2
RefSeq Size:	4214 bp
RefSeq ORF:	3012 bp
Locus ID:	114785
UniProt ID:	Q96DN6
Cytogenetics:	12q13.3
Domains:	MBD
MW:	101.2 kDa
Gene Summary:	Binds to heterochromatin. Does not interact with either methylated or unmethylated DNA (in vitro).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208987