

MBD3 cDNA

Catalog Number: ATGD0298

PRODUCT INFORMATION

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ATGD0298

Product type

cDNA

Species

Human

NCBI Accession No.

NP_003917.1

Alternative Names**mRNA Refseq**

NM_003926.5

OMIM

603573

Chromosome location

19p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

876bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inserted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian

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development. This gene belongs to a family of nuclear proteins which are characterized by the presence of a methyl-CpG binding domain (MBD). The encoded protein is a subunit of the NuRD, a multisubunit complex containing nucleosome remodeling and histone deacetylase activities. Unlike the other family members, the encoded protein is not capable of binding to methylated DNA. The protein mediates the association of metastasis-associated protein 2 with the core histone deacetylase complex. Alternative splicing results in multiple transcript variants of this gene.

DATA

Sequence nucleotides

ATGGAGCGGAAGAGGTGGAGTGCCCGCGCTCCGCAGGGCTGGAGAGGGAAGAAGTGCCAGAAGGTGGGGCTG
TCGGCCGGCCACAGGGATGTCTTTACTATAGCCGAGCAGGGAAAGAAGTCCGCAGCAAGCCGAGCTGGCGCGCTACCT
GGCGGGCTCCATGGACCTGAGCACCTCGACTCCGCACGGGCAAGATGCTGATGAGCAAGATGAACAAGAGCCGCCAGC
GCGTGCCTACGACTCCTCCAACCAGGTCAAGGGCAAGCCCACCTGAACACGGCGCTGCCGTGCGCCAGACGGCGTCC
ATCTTAAGCAGCCGGTGACCAAGATTACCAACCACCCAGCAACAAGGTCAAGAGCGACCCGCAGAAGGCGGTGGACCA
GCCGCGCCAGCTCTCTGGGAGAAGAAGCTGAGCGGCCTGAACGCCTCGACATTGCTGAGGAGCTGGTCAAGACCATGG
ACCTCCCCAAGGGCCTGCAGGGGGTGGGACCTGGCTGCACGGATGAGACGCTGCTGTCGGCATGCCAGCGCCCTGCA
CACTAGCACCATGCCCATCACGGACAGCTCTCGGCCGCGTGGAGAAGAACCCGGCGTATGGCTAACACACCAGCAGC
CCCTGTGCAAAGCCTTCATGGTGACCGGACATCAGGAAGCAGGAAGAGCTGGTGCAGCAGGTGCGGAAGCGGCT
GGAGGAGGCGCTGATGGCCGACATGCTGGCGCACGTGGAGGAGCTGGCCGTGACGGGGAGGCGCCGCTGGACAAGGC
CTGCGCTGAGGACGACGAGGAAGACGAGGAGGAGGAGGAGGAGCCCACCCGGAGATGGAGCACGT
CTAG

Transaction Sequence

MERKRWECPA LPQGWEEEV PRRSGLSAGH RDVFYYSPSG KKFRSKPQLA RYLGGSMDLS TFDVRTGKML
MSKMNKSQRQ VRYDSSNQVK GKPDLNTALP VRQTASIFKQ PVTKITNHPS NKVKSDPQKA VDQPRQLFWE KKLSGLNAFD
IAEELVKTMD LPKGLQGVGP GCTDETLLSA IASALHTSTM PITGQLSAAV EKNPGVWLNT TQPLCKAFMV TDEDIRKQEE
LVQQRKRLE EALMADMLAH VEELARDGEA PLDKACAEDD DEEDEEEEE EPDPDPEMEH V