

METTL1 cDNA

Catalog Number: ATGD0215

PRODUCT INFORMATION

Catalog number

ATGD0215

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005362.3

Alternative Names

C12orf1, TRM8, TRMT8, YDL201w

mRNA Refseq

NM_005371.5

OMIM

604466

Chromosome location

12q13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

831bp

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 inseted 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

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METTL1 is similar in sequence to the *S. cerevisiae* YDL201w gene. The gene product contains a conserved S-adenosylmethionine-binding motif and is inactivated by phosphorylation. Alternative splice variants encoding different protein isoforms have been described for this gene. A pseudogene has been identified on chromosome X.

DATA

Sequence nucleotides

```
ATGGCAGCCGAGACTCGGAACGTGGCCGGAGCAGAGGCCCCACCGCCCCAGAAGCGCTACTACCGGCAACGTGCTCACTC
CAACCCCATGGCGGACCACACGCTGCGCTACCCTGTGAAGCCAGAGGAGATGGACTGGTCTGAGCTATACCCAGAGTTCTT
CGTCCACTCACTCAAATCAGAGCCACGATGACCCAAAGGATAAGAAAGAAAAGAGAGCTCAGGCCCAAGTGGAGTTTGC
AGACATAGGCTGTGGCTATGGTGGCCTGTTAGTGGAAGTGTACCGCTGTTCCAGACACACTTATTCTGGGTCTGGAGAT
CCGGGTGAAGGTCTCAGACTATGTACAAGACCGGATTCGGGGCCCTACGCGCAGCTCCTGCAGGTGGCTTCCAGAACATCGC
CTGTCTCCGTAGCAATGCCATGAAGCACCTTCCTAACTTCTTCTACAAGGGCCAGCTGACAAAGATGTTCTTCTCTTCCCCG
ACCCACATTTCAAGCGGACAAAGCACAAGTGGCGAATCATCAGTCCCACCCTGCTAGCAGAATATGCCTACGTGCTAAGAG
TTGGGGGGGCTGGTGTATACCATAACCGATGTGCTGGAGCTACACGACTGGATGTGCACTCATTTTGAAGAGCACCCACTGT
TTGAGCGTGTGCCTCTGGAGGACCTGAGTGAAGACCCCGTTGTGGGACATCTAGGCACCTCAACTGAGGAGGGGAAGAAA
GTTCTACGTAATGGAGGGAAGAATTTCCAGCCATCTTCCGAAGAATAACAAGATCCCGTCCTCCAGGCAGTGACCTCCAAA
CCAGCCTGCCTGGTCACTGA
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Transaction Sequence

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MAAETRNVAG AEAPPQKRY YRQRAHSNPM ADHTLRYPVK PEEMDWESELY PEFFAPLTQN QSHDDPKDKK EKRAQAQVEF
ADIGCGYGG LVELSPLFPD TLILGLEIRV KVSDYVQDRI RALRAAPAGG FQNIACLRSN AMKHLPNFFY KGQLTKMFFL
FPDPHFKRTK HKWRIISPTL LAEYAYVLRV GGLVYTITDV LELHDMCTH FEEHPLFERV PLEDLSEDPV VGHLGTSTEE
GKKVLRNGGK NFPAIFRRIQ DPVLQAVTSQ TSLPGH
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