

Product datasheet for **RC233471**

ANTKMT (NM_001271285) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ANTKMT (NM_001271285) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ANTKMT
Synonyms: ANT-KMT; C16orf24; FAM173A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233471 representing NM_001271285
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAGGACGACCCGGTCGAGGCGCTGACGGAGCTGCGGAGCGCGGCTGGGCGGCTGGAGCTGC
 TGCAGGCGGGCGCGGCTCGGGCTTGGCAGCCTACGCGGTGTGGGCGCTGCTGCTCCAGCCCGGCTCCG
 GCGCGTGCCGCTGCGGCTGCAGGTGCCCTACGTCGGCGGAGCGCGGCAGGTGGAGCACGTGTTGTCG
 CTGCTGCGAGGACGCCCCGAAAAACGGTGGATCTGGGCTCTGGCGACGGCAGGATCGTGTGGCGGCC
 ACAGGTGCGGCCCTCCGCCGGCCGTGGGCTACGAGCTGAACCCCTGGCTGGTGGCGCTGGCGGGCTGCA
 CGCTGGAGGGCCGGCTGTGCCGAGCGTCTGCTATCGCCGCAAGGATCTCTGGAAGCTCCCGCTGCTG
 GAGGACAAGCTGCGGACAGAGCTGCCTGCTGGGCCCCGCGTGGTGTCTGGGCGCTTCCCCTCCCACT
 GGCAGCCTGTGACCGCGTTGGCGAGGGCCTGGACCGAGTATGGGCTTATGATGTTCTGAGGGTGGGCA
 GGCTGGGAGGCCCTCCTCGCGGATACCCATCCAGGCTGCCCCGGACCTAGTTCTGCCCCATCCCG
 GGGGGCTTATTCTCAGGCCAGC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233471 representing NM_001271285
Red=Cloning site Green=Tags(s)

MEQDDPVEALTELRERRLGALELLQAAAGSGLAAYAVWALLLQPGFRRVPLRLQVPYVGASARQVEHVLS
 LLRGRPGKTVDLGSGDGRIVLAAHRCGLRPAVGYELNPWLVALARLHAWRAGCAGSVCYRRKDLWKLPLL
 EDKLRTELPAGARVVSGRFPLPTWQPVTAVGEGLDREVWAYDVPEGGQAGEAASSRIPIQAAPGPSSAPIP
 GGLISQAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271285

ORF Size: 654 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:

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_001271285.2](#)

RefSeq Size: 830 bp

RefSeq ORF: 657 bp

Locus ID: 65990

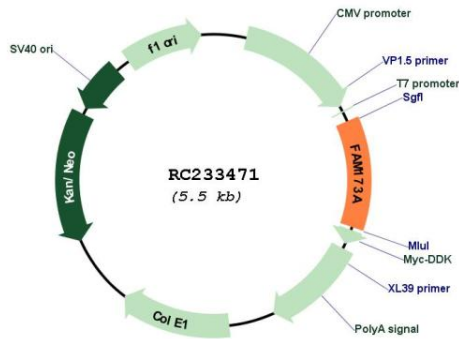
Cytogenetics: 16p13.3

Protein Families: Transmembrane

MW: 23.7 kDa

Gene Summary: S-adenosyl-L-methionin-dependent protein-lysine N-methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233471