

Product datasheet for **RG200792**

ANTKMT (NM_023933) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ANTKMT
Synonyms:	ANT-KMT; C16orf24; FAM173A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG200792 representing NM_023933
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCAGGATGACCCGGTCGAGGCGCTGACGGAGCTGCGCGAGCGCGGCTGGGCGCGCTGGAGCTGC
TGCAGGCGGCGGCCGGCTCGGGCTTGGCAGCCTACGCGGTGTGGGCGCTGCTGCTCCAGCCCGGCTTCCG
GCGCGTGCCGCTGCGGCTGCAGGTGCCCTACGTCGGCGCGAGCGCGGCAGGTGGAGCACGTGTTGTCG
CTGCTGCGAGGACGCCCCGAAAAACGGTGGATCTGGGCTCTGGCGACGGCAGGATCGTGCTGGCGGCC
ACAGGTGCGGCTCCGCCCGGCGTGGCTACGAGCTGAACCCCTGGCTGGTGGCGCTGGCGCGGCTGCA
CGCCTGGAGGGCCGGCTGTGCCGGCAGCGTCTGCTATCGCCGAAGGATCTCTGAAGGTGAGCCTGAGG
GACTGCCGCAACGTGTCTGTGTTCTGGCCCTAGCGTGCTCCCGCTGCTGGAGGACAAGCTGCGGACAG
AGCTGCCTGCTGGGCGCGGTGGTGTCTGGGCGCTTCCACTCCCACTGGCAGCCTGTGACCGCGGT
TGGCGAGGGCTGACCGAGTATGGGCTTATGATGTTCTGAGGGTGGGAGGCTGGGGAGGCCGCTCC
TCGCGGATACCCATCCAGGCTGCCCCGACCTAGTCTGCCCCATCCGGGGGGCCTATTCTCAGG
CCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG200792 representing NM_023933

Red=Cloning site Green=Tags(s)

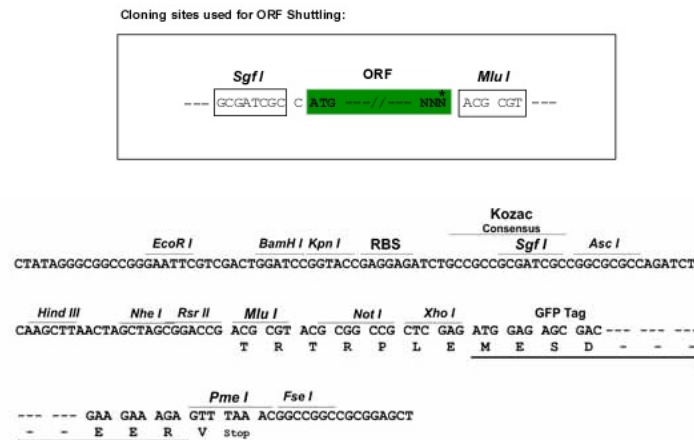
MEQDDPVEALTELRRRLGALELLQAAAGSGLAAYAVWALLQPGFRRVPLRLQVPYVGASARQVEHVL
LLRGRPGKTVDLGSGDGRIVLAAHRCGLRPAVGVELNPWLVALARLHAWRAGCAGSVCYRRKDLWKVSLR
DCRNVSFVLAPSVLPLLEDKLRTELPAGARVVSGRFPLTWQPVTAUGEGLDRVWAYDVPEGGQAGEAAS
SRIPIQAAPGPSSAPIPGGLISQAS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_023933

ORF Size:

705 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:

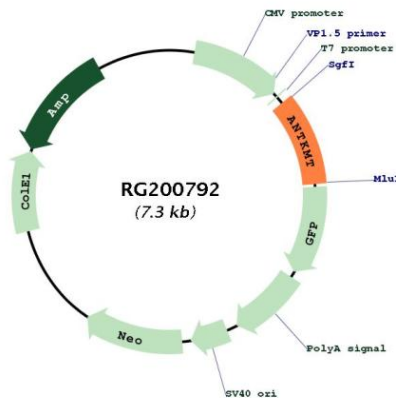
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_023933.1, NP_076422.1</u>
RefSeq Size:	876 bp
RefSeq ORF:	708 bp
Locus ID:	65990
UniProt ID:	<u>Q9BQD7</u>
Cytogenetics:	16p13.3
Protein Families:	Transmembrane
Gene Summary:	S-adenosyl-L-methionin-dependent protein-lysine N-methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200792