

Product datasheet for **MR228932**

Setmar (NM_001276356) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setmar (NM_001276356) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Setmar
Synonyms:	5830404F24Rik; Etet2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228932 representing NM_001276356 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGGAGCATCTTTTCATCCCTGTAGGACATCCCTGCACAGCTAAAGTGTATACTCCTGATCATG
TTGCTGGACCTGGAGCAGACATTGACCCACACAATAACCTTCCCTGGATGTGCTTGCATCGAACTCC
ATGTGTCCCTGGCACTTGCTCTTGTCTTCGCCATGAGAATAACTACGATGACAATTTATGCCTTAGGGAT
GTGGGATCCGAAGGAAAGTACGCCAAGCCAGTTTTTGAATGCAATGTTCTGTGCCAGTGTGGCATGCGCT
GCAGAAATAGGGTGGTCCAGAATGGCCTACACTTCTTCCAGGTGTTCCAGACAGAGAAAAAAGGCTG
GGGACTTCGGACTTTGGAATTTATACCCAAGGGAAGATTTGTCTGTGAGTATGCTGGGGAGGTGTTAGGA
TTCTCTGAAGTGCAAAGAAGAATTCACCTACAAACATCACATGACTCAAATTACATCATCGCTGTCAGAG
AACACATTTACAGTGGACAGATCATGGAACATTTGTCGACCCTACCTACATAGGAAATATTGGGAGATT
CCTCAACCATTCTGTGAACCAATCTGTTGATGATTCTGTCCGAATTGACTCAATGGTACCCAAGCTG
GCACTTTTCGCAGCCAAAGATATTTTCCAGGAGAAGAAGTCTTACGACTATTCAGGAAGATTCCTTA
ACCAAGTAAGTAGTAAAGACAAAGAAAAGATAGACTGTAGCCACCACGAAAGCCTTGTTACTGTGGGGC
CCAGTCATGCACCACTTTCCTGCCCTATGACAGTTCACATATATGGCCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228932 representing NM_001276356
Red=Cloning site Green=Tags(s)

MDRSISFIPVGHPC TAKVYTPDHVAGPGADIDPTQITFPGCACIETPCVPGTCSCLRHENNYDDNLCLRD
 VGSEGYAKPVFECNVL CQCGMRCRNRVVQNLHFL LQVFQTEKKGWGLRTEFIPKGRFVCEYAGEVLG
 FSEVQRRIHLQTS HDSNYIIAVREHIYSQIMETFVDP TYIGNIGRFLNHSCEPNLLMIPVRIDSMVPKL
 ALFAAKDILPGEELSYDYSGRFLNQVSSKDK EIDCSPPRKPCYCGAQSCTTFLPYDSSL YMAP

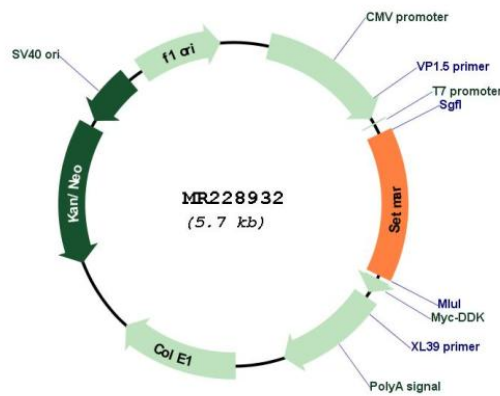
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001276356
ORF Size: 822 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_001276356.1 , NP_001263285.1
RefSeq Size:	1770 bp
RefSeq ORF:	825 bp
Locus ID:	74729
Cytogenetics:	6 E1
MW:	31.1 kDa
Gene Summary:	This gene encodes a histone-lysine N-methyltransferase that may be involved in the methylation of histone H3. In anthropoid primates this gene is a fusion gene of a SET histone-lysine N-methyltransferase and a mariner (MAR) family transposase. In all other species this gene contains only the SET domain. [provided by RefSeq, Jan 2013]