

Product datasheet for MC226721

Setmar (NM_001276356) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Setmar (NM_001276356) Mouse Untagged Clone
Tag: Tag Free
Symbol: Setmar
Synonyms: 5830404F24Rik; Etet2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226721 representing NM_001276356
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACAGGAGCATCTCTTTCATCCCTGTAGGACATCCCTGCACAGCTAAAGTGTATACTCCTGATCATG
 TTGCTGGACCTGGAGCAGACATTGACCCACACAATAACCTTCCCTGGATGTGCTTGCATCGAACTCC
 ATGTGTCCCTGGCACTTGTCTTGTCTTCCCATGAGAATAACTACGATGACAATTTATGCCTTAGGGAT
 GTGGGATCCGAAGGAAAGTACGCCAAGCCAGTTTTTGAATGCAATGTTCTGTGCCAGTGTGGCATGCGCT
 GCAGAAATAGGGTGGTCCAGAATGGCCTACACTTCTTCTCCAGGTGTTCCAGACAGAGAAAAAGGCTG
 GGGACTTCGGACTTTGGAATTTATACCAAGGGAAGATTTGTCTGTGAGTATGCTGGGGAGGTGTTAGGA
 TTCTCTGAAGTGCAAAGAAGAAATCACCTACAAACATCACATGACTCAAATTACATCATCGCTGTCAGAG
 AACACATTTACAGTGGACAGATCATGGAACATTTGTGCGACCCTACATAGGAAATATTGGGAGATT
 CCTCAACCATTCTGTGAACCAATCTGTTGATGATTCTGTCCGAATTGACTCAATGGTACCCAAGCTG
 GCACTTTTGCAGCCAAAGATATTTTCCAGGAGAAGAACTCTTACGACTATTCAGGAAGATTCCTTA
 ACCAAGTAAGTAGTAAAGACAAAGAAAAGATAGACTGTAGCCACCACGAAAGCCTTGTTACTGTGGGC
 CCAGTCATGCACCACTTCTGCCCTATGACAGTTCACATATATGGCCCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001276356
Insert Size: 825 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001276356.1, NP_001263285.1</u>
RefSeq Size:	1770 bp
RefSeq ORF:	825 bp
Locus ID:	74729
Cytogenetics:	6 E1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate internal exon, compared to variant 1. This difference results in a distinct 5' UTR and causes translation initiation at an alternate start codon, compared to variant 1. The encoded protein (isoform 2) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>