

## Product datasheet for **RN216334**

### Setmar (NM\_001025048) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Setmar (NM\_001025048) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Setmar  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216334 representing NM\_001025048  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGCGGAAGCTGTGAAAAAGCTTTCTTCGAGATAGCACCATCTGAGGAGGAATCTGAGGCCACGA  
TAGAACACAAGATGTAGCGTGC GGCCCTGGAGA ACTTGCCCGTGAGCCTGTGGCCCTTGGGGCGGGCC  
CAGGCCTAAACCTTTCCAGTATACTCCTGATCATGTAGCTGGCCCTGGAGTAGACATGGACCCACACAA  
ATAACCTTCCCTGGTTGTGCTTGCATCAAACTCCATGTGTCCCTGGTACTTGCTCCTGTCTTCGTCATG  
AGAGTAACTACAATGACAATTTATGCCTTAGGGATGTGGGATCAGAAGCAAAGTACGCCAAGCCAGTCTT  
TGAATGCAATGTTCTGTGCCAGTGTGGCAGCACTGCAGAAACAGGGTGGTCCAGAGTGGTCTCCAGTTC  
CTTCTCCAGGTATTCCAGACAGAAAAAAGGCTGGGGACTTCGGACCTTGAATATATACCCAAGGGAA  
GATTCTGCTGTGAGTATGCTGGGAGGTATTAGGATTCTCTGAAGTACAAAGAAGAATTCACCTACAAAC  
AGCACATGACCCAAATTACATCATCGCCCTCAGGGAGCACACATACAATGGCCAGGTCATGGAAACATTT  
GTCGACCTACCTACATAGGAAATATTGGGAGATTCTCAATCATTCTTGTGAACCAAATCTGTTGATGA  
TTCTGTCCGAATTGACTCAATGGTGCCCAAGCTCGCACTTTTTGCAGCCAAAGATATTTTCCAGGAGA  
AGA ACTCTTTACGACTATT CAGGAAGATTCTTAATCAAATAAGCAGTAAAGACAAAGAAAGGATAGAC  
TGTGGACAACCAAGGAAGCCTTGTACTGCGGTGCCCAATCATGTGCCACTTTCTGCCCCTATGACAGTT  
CACTATATGGCCCTTAGAAAATCCAGGCACCAGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001025048  
**Insert Size:** 948 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001025048.1</a></u> , <u><a href="#">NP_001020219.1</a></u>
<b>RefSeq Size:</b>	1569 bp
<b>RefSeq ORF:</b>	948 bp
<b>Locus ID:</b>	500281
<b>UniProt ID:</b>	<u><a href="#">Q5I0M0</a></u>
<b>Cytogenetics:</b>	4q41
<b>Gene Summary:</b>	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, Feb 2013]