

## Product datasheet for RN209505

### Mat1a (NM\_012860) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mat1a (NM_012860) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mat1a
Synonyms:	AdoMet; SADE; SAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209505 representing NM_012860 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGGACCTGTGGATGGCTTGTGTGACCATTCTCTAAGTGAAGAGGGAGCCTTCATGTTACATCTG  
AATCGGTAGGAGAAGGGCATCCAGATAAGATCTGTGACCAGATTAGTGATGCAGTCTGGATGCCCATCT  
CAAGCAAGACCCCAATGCCAAGGTGGCCTGTGAGACAGTGTGCAAGACAGGGATGGTCTCTGTGTGGA  
GAGATCACCTCAATGGCCATGATTGACTACCAGCGGGTGGTGTGAGAGACACCATTAAGCACATTGGCTACG  
ATGACTCTGCCAAGGGCTTCGACTTCAAGACCTGCAATGTCTCGTGGCTCTGGAGCAACAGTCCCAGA  
CATTGCCCAATGTGTCCATCTAGACAGAAATGAGGAGGACGTTGGTGCAGGAGATCAGGGTCTGATGTT  
GGCTATGCCACTGACGAGACAGAGGAGTGCATGCCGCTCACCATTTGTTCTTGCTCACAACTCAACACCC  
GGATGGCAGATCTGAGGCGCTCTGGTGTCTTCCCTGGCTGAGACCTGATTCTAAGACTCAGGTAACAGT  
TCAGTACGTGCAGGATAATGGTGTGTCCATCCCTGTTCCGCTCCACCATCGTCATCTCTGTGCAACAC  
AACGAAGACATAACACTGGAGGCCATGCGAGAGGCCCTGAAGGAGCAGGTGATCAAAGCTGTGGTCCAG  
CCAAGTACCTGGATGAAGACACCATCTACCACCTGCAGCCAAGTGGGCGGTTTGTATCGGAGGTCCCA  
GGGGATGCAGGTGTACAGGCCGCAAGATTATTGTGGACACATACGGAGGCTGGGTGCCATGGTGGT  
GGTGCCTTCTCTGGAAAGGACTACCCAAGGTGGACCGCTCAGCAGCTTATGCCGCCGCTGGGTGGCCA  
AGTCTCTGGTGAAGGCTGGGCTCTGCCGAGAGTCCTTGTTCAGGTGTCTATGCCATTGGTGTGGCAGA  
ACCTCTGTCCATTTCCATTTTCCCTACGAACTTCCAAGAAGACCGAGCGAGAGCTACTAGAGTTGTG  
AACAAAGAACTTTGATCTCCGCCGGGTGTTATTGTGAGGACTTGGATCTGAAGAAGCCCATCTACCAGA  
AGACTGCATGCTATGGTCATTTCCGAAGAAGCGAGTTTCCCTGGGAGGTCCCAAGAAGCTTGTGTTTTA  
G

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012860
<b>Insert Size:</b>	1191 bp
<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>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_012860.2</a></u> , <u><a href="#">NP_036992.2</a></u>
<b>RefSeq Size:</b>	3056 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	25331
<b>UniProt ID:</b>	<u><a href="#">P13444</a></u>
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	enzyme that catalyzes the formation of S-adenosylmethionine [RGD, Feb 2006]