

Product datasheet for **RN210836**

Asmt (NM_144759) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Asmt (NM_144759) Rat Untagged Clone
Tag: Tag Free
Symbol: Asmt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210836 representing NM_144759
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACCCGGCCGGGAGGGCGAGCTTGACCGCGACTTCCGAGTCCCTATGAGCCTCGCCACGGCTTCA
TGGTCTCCAGGTGCTGTTTGTGCCCTGGATCTGGGCATCTTCGACCTTGGCGCCAGGGCCCGTGGC
AGCGGAGCGGTGGCACAGACTGGGGGTGGAGTCCGCGGGAACGCAGCTGCTAATGGACGCCTGCACC
AGGCTGGGGCTACTAAGAGGGGCGGGGACGGCTCCTACACCAACTCTGCGCTGTATCCACATTCTGG
TGAGCGGAAGCCCCAGTCTCAACGCTGCATGCTGCTCTACCTGGCGGGCACAACATACGGCTGCTGGG
CCACCTGGCTGCTGGGTGAGGAAGGGCGGAACCACTCCAGGGCCGTGGGCATCTCCGCTGAGGAC
CCCTTTTCGGCCATCTACAGGTGAGGCTGAGCGCTGCTGTTTCATGAGGGGCTGCAGGAGACATGGA
GTCTATGCGGGGACGGGTCTCACAGCCTTGACCTCTACGCTTCCGGGTGCTGTGACCTTGGCGG
CGGGTCTGGGGCGCTGGCACAGGAGGCCCGCCCTCTATCCCGGTAGCTCCGTGTGTCTTTGATCTC
CCTGATGTCATCGCCGCTGCCCGCACCCACTTCTGTGCGCAGGGCAAGACCCAGTGTGAGTTTGTGCG
CTGGTGACTTCTCCGTTCCCGCTCCCGCGCTGACCTCTTATTCTTCCCGGGTCTGCACGACTG
GGCTGATGGTGCCTGCGTGGAGTTGCTGGGGCGGCTGCACAGGGCTGCAGGCCAGGTGGTGCCTACTG
CTGGTGGAGGCACTGCTGGCAAGGGCGGGGCTGGGCCGCTGCGGTGCTCCTGCTGCTCAACATGA
TGCTGCAGGCTGAGGGGTGGGAGCGCCAGGCCAGCGACTACCGCAACCTGGCCACTCGTGCAGGCTTCCC
CCGCTGCAGCTGCGGCTCCTGGTGGGCATACCATGCCATGCTGGCCCGGGGGACCCCGCCCTGGG
ATCATCACAGGAGTGGGAAGTAACACTACGGGGACAGGAAGTTTGTGACAGGTATAAGACGTGATGTCC
CTGGGGCAAGAAGTGACGCTGCAGGGACAGGAAGTGGCACTGGAAACACAGGAAGTGGCATCATGTACA
GGGAGAGACGTTGGAATCAGAGGTGACGCCCCACAAGCAGGAAGTACGTTGGCGGGGACAGGAAATGAA
CCCAGAAGTGGCACCCCTCAAGCAAGGAGACTGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_144759
Insert Size:	1299 bp
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).
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_144759.2</u> , <u>NP_653360.2</u>
RefSeq Size:	1548 bp
RefSeq ORF:	1299 bp
Locus ID:	246281
UniProt ID:	<u>B3GSH5</u>
Cytogenetics:	12q11
Gene Summary:	methyltransferase enzyme; catalyzes the methylation of acetylserotonin to complete the synthesis of melatonin [RGD, Feb 2006]