

Product datasheet for **RN202649**

Shmt2 (NM_001008322) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shmt2 (NM_001008322) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shmt2
Synonyms:	MGC105820
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202649 representing NM_001008322
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTACCCTTCTCTTTACTTCGGACCACTCGGCCTCTGCAGAGATGTGGTCAGCTGGTCTGCATGGCTG
 CCCGGGCCAGCACAGTGAGGTGGCCAGAAGCAGGCTGGGAAGCAGCTGGAGGCTGGACGGGCCAGGA
 GAGTTTATCAGACAGTGACCCTGAGATATGGGAGCTTCTGCAGAGGGAGAAGACAGACAGTGTCTGTGGC
 CTGGAGCTCATCGCCTCAGAGAACTTCTGCAGCCGAGCTGCGCTGGAGGCCCTGGGGTCTGTCTCAACA
 ACAAGTACTCGGAGGGTTACCCTGGCAAGAGATACTACGGAGGAGCAGAAGTCGTGGACGAGATTGAGCT
 GCTGTGTAGCGCCGGGCTTGGAAAGCCTTTGACCTGGATCCTGCACAGTGGGGAGTCAATGTGCAGCCG
 TATTCAGGGTCCCAGCCAACCTGGCTGCCTACACCGCCCTTCTGCAGCCTCATGATCGAATCATGGGGT
 TGGACCTGCCGATGGGGCCACCTCACCCACGGCTACATGTCTGATGTCAAGCGGATCTCTGCCACCTC
 CATCTTCTTCGAGTCCATGCCGTATAAGCTCAATCCCCAAACCGCCTCATCGACTACGACCAGCTAGCG
 CTGACTGCTCGGCTTTTCCGACCTCGGCTCATCATAGCTGGCACTAGTGCCTATGCCCGCCTCATTGACT
 ATGCACGAATGAGAGAGGTGTGTGACGAAGTCAAGGCACACCTGCTGGCAGACATGGCCCATATCAGTGG
 CCTGGTGGCTGCCAAGGTGATCCCCTCACCTTTCAAGTATGCGGACATCGTCACCACCACCACTCACAAG
 ACTCTTCGAGGGGCCAGGTGAGGACTCATCTTTTACCGGAAGGGAGTGGGACTGTAGACCCCAAGACTG
 GCCAAGAGATCCCTTATACTTTTGGAGCAGAATCAACTTCGCTGTGTTCCCATCCTTACAAGGGGGCCC
 CCACAATCAGCCATTGCTGCAGTAGCTGTGGCTCTCAAGCAGGCTGCACCCCTATGTTCCGGGAGTAC
 TCCTTACAAGTGTTCGGAACGCCAAGCCATGGCCGACGCCCTGCTCAAGCGAGGATACTCGTGGTGT
 CTGGTGGCACTGACACCCACCTGGTGTGCTGGTGGACCTGCGGCCCAAGGGCCTGGATGGAGCACGGCCGA
 GCGTGTGTTGGAGCTTGTGTCCATCACAGCCAACAAGAACACCTGTCTGGAGACCGGAGTGCATTACT
 CCGGGAGGCTTGGGCTTGGGGCCAGCATTGACTTCTCGTCAATTCCGTGAGGATGACTTCCGGAGGG
 TCGTTGATTTTATCGATGAAGGAGTCAACATTGGCTTGGAGGTGAAGCGCAAGACTGCCAAACTTCAGGA
 TTTCAAGTCTTCTGCTCAAGGACCCAGAAACAAGTCAGCGTTTGGCCAACCTCCGGCAACAGGTGGAA
 CAGTTTGCAGGGGCTTCCCAATGCCTGGATTTGATGAACGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001008322

Insert Size: 1515 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:

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_001008322.1](#), [NP_001008323.1](#)

RefSeq Size: 2075 bp

RefSeq ORF: 1515 bp

Locus ID: 299857

Cytogenetics: 7q22