

Product datasheet for **RN203948**

Shmt1 (NM_001047842) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shmt1 (NM_001047842) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shmt1
Synonyms:	LRRGT00032; mShmt; Shmt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203948 representing NM_001047842
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTGACTGTGGAGGCATGGGTGCAGATATTCCTGCTTCCAGTTGAGAAGTCCGATCCTGTGTGCGA
 GGCTGGACCCCTGACAGGATGGGACATGTGAAAGGGCCAGTTCAGATGATCCAGAAGTGCAGAATCTCCAC
 GACACAGGGCAACAACAGGATAACCCAGAGGAGTCTGGATACACTCCAGATAGTCTACAAAGTCTTCC
 TCACTGTGGAACAGCCAAAATCTGCTAGTTCAGTCCATGAAACTGGCTGCCTCAGCAGTCTCAATCTGGT
 TCTGGGGTTCTTGGAGGATTCCTAGAGAGCTGCTGGTTTTTTCAGTTTACATTGGAATCTTAAGGAAGTTGG
 ACTTAGCACCAGCCCCAGCAACAGCACAAAATTGCCAGCAAGAGTAAAAGGCAAGCAGGCAGAAAAGCAA
 AGCTTCTTCTTCTAAGTCTTTTATCTGGGTTGCCATCAGAAGCTACAGCTCCTTTTGTGAGGTTTGGC
 CCAAGTTTCTGCTCCGAGCTCGGGCGAATGGCGCCTGGGCGGCTGAGGGCGGGCTCTACCTGGACCCGCC
 CACTGATTGGGCGCTCTAGGGTGGGGCGGGCCAGCCGCGCTGTGCAATGGCAGAGGGGATGCCACC
 GTGTGGGCTCTCATGAGAAGATGTTGACACAGCCCTGAAGGAGAGCGATGCTGAGGTTTACAGCATCA
 TAAAAAGGAGAGCAACCGGCAGAGGGTTCGGATTGGAGCTGATTGCCTCGGAGAAGTTTGCACGAGAGC
 TGTGTTGGAGGCCCTAGGATCTTCTTAAATAACAAATACTCTGAGGGGTACCCAGGCCAAAGGTATTAT
 GGTGGGACTGAGTTCATCGATGAGCTGGAGACGCTGTGTGAGAAGCGTGCATTACAGGCCTACCCTCTGG
 ATCCTCAGTGTGGGCGCTCAATGTCCAGCCTTATTCAGGCTCCCCTGCAAACTTTGCTGTGATACTGC
 CCTAGTAGAGCCCATGGGCGAATCATGGGTTTGGACCTGCCAGATGGTGGCCATCTGACTCATGGCTTC
 ATGACAGACAAGAAGAAAATCTCTGCCACCTCTATCTTCTTTGAATCCATGCCTTATAAGGTATACCCAG
 AACTGGGTACATCAACTATGACCAGCTAGAGGAGAATGCCAGCCTCTCCACCCGAAGCTGATCATTGC
 AGGGACCAGCTGCTACTCCCGAACCTGGACTATGCGCGGCTGCGAAAGATTGCGGATGATAATGGGGCA
 TATCTCATGGCAGACATGGCACACATCAGTGGGCTCGTGGCAGCTGGTGTGGTGCCTCACCTTTGAAC
 ACTGTCATGTAGTAACCACTACAACCCACAAGACCCTGAGAGGCTGCCGTGCTGGTATGATATTCTACAG
 AAAGGGTGTGCGCAGTGTGATCCCAAGACTGGCGAAGAGACTTACTATGAACTGGAGTCCCTCATCAAC
 TCGGCCGTGTTCCAGGCCTGCAGGGCGGCCCTCACACCATGCCATTGCTGGTGTGCTGTGGCCCTGA
 AGCAAGCCATGACTACAGAATTCAAAATCTACCAGCTCCAGGTGTGGCCAAGTGCAGGGCTCTGTCTGA
 TGCACTCACAGAGCTAGGCTACAAAATAGTCACAGGTGGCTCTGATAATCACTTGTATCCTAATGGATCTG
 CGTCTAAAGGTAAGTACTGATGGCGAAGGGCTGAGAAGTACTGGAAGCCTGTTCTATCGCCTGCAACAAGA
 ATACCTGCCAGGTGACAAGAGTGCCTACGGCCAGTGGCCTGCGACTGGGAAGTCCAGCATTGACATC
 CCGAGGACTTTTGAAGAAGACTTCCAAAAATAGCACACTTTATCCACAGAGGGATAGAGTTGACTCTG
 CAGATTCAGAGCCACATGACCATGAGGGCCACACTGAAAGAGTTCAAGGAGAAGCTGACAGGGGATGAGA
 AGTTCCAGAGTGTGTGGCAGCTCTCCGGGAAGAAGTGGAGAATTTTGTCTCAACTTCTCACTACCTGG
 ACTTCTGACTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001047842

Insert Size: 2046 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_001047842.1, NP_001041307.1</u>
RefSeq Size:	2046 bp
RefSeq ORF:	2046 bp
Locus ID:	287379
Cytogenetics:	10q22