

Product datasheet for **MC202818**

Shmt1 (NM_009171) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shmt1 (NM_009171) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shmt1
Synonyms:	AI324848; AI385541; C81125; mshmt; mshmt1; mshmt2; Shmt
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026055 sequence for NM_009171
 CCACGCGTCCGCGGACGCGTGGGCGCTCTCCAGGAATTCGGCGATCCACTTGCCTCTGCCTCCCTAGTGC
 TGGGATTAAGGCGTGCGCCACCACAACGCGTTTGTCCCTTTCATAAAGACCGGAGGAACAGACGTTTA
 CGGCCAGCTCCCGAAACCAAGTGAAGTGGAGGCCACCCTGCACCAAGGGTTGGAACCTTTTCACAAAATC
 CACGCTCCTAATAACAAGCAACTCTGAACCAAGTGCATGGCAGACAGGGATGCCACCCTGTGGGCTTCTC
 ATGAGAAGATGTTGTGCGAGCCCTCAAGGACAGTGCATGGCAGAGTTTACAGCATCATAAAAAGGAGAG
 CAACCGGCAGAGGGTCGGATTAGAGCTGATTGCCTCGGAGAATTTGCCAGCCGAGCTGTGTTGGAGGCC
 CTGGGATCTTGCTTAAATAACAAATACTCTGAGGGATATCCAGGCCAAAGGTATTATGGCGGGACCGAGT
 TCATCGATGAGCTGGAGATGCTGTGTGAGAAGCGTGCATTACAGGCCCTACCATCTGGATCCTCAGTGCTG
 GGGTGTCAATGTCCAGCCTTATTCCAGGCTCCCCTGCAAACCTTTGCTGTGTATACTGCCCTGGTAGAGCT
 CATGGGCGAATCATGGGCTTGGACCTGCCAGACGGTGGCCATCTGACCCATGGCTTCATGACAGACAAGA
 AGAAAATCTCTGCCACATCTATCTTCTTTGAATCCATGCCTTATAAGGTGTACCCAGAGACTGGGTACAT
 CAACTATGACCAGCTGGAGGAGAATGCCAGCCTTCCACCCGAAGCTGATCATCGCAGGGACCAGCTGC
 TACTCCCGAACCTGGACTACGCACGGCTGCGGAAGATTGCGGATGATAATGGGGCGTATCTCATGGCAG
 ACATGGCACATATCAGTGGGCTCGTGGCAGCTGGGGTGGTGCCTCCCCCTTTGAACACTGCCATGTAGT
 GACCACTACAACCCACAAGACCCTGAGAGGCTGCCGTGCTGGTATGATATTCTACAGAAAAGGGTGTGCGC
 AGTGTGGATCCCAAGACTGGCAAAGAGACTTACTATGAACTGGAGTCCCTCATCAACTCTGCCGTGTTC
 CGGGCCTTCAGGGGGTCTCACAACCATGCCATTGCTGGTGTGCTGTGGCCCTGAAGCAAGCCATGAC
 TACAGAATTCAAAATCTACCAGCTCCAGGTGTTGGCCAACTGCAGGGCTCTGTCTGATGCACTCACAGAG
 CTAGGCTACAAAATAGTACAGGTGGCTCTGATAATCACTTGATCCTAATGGATCTGCGTTCTAAGGGTA
 CTGATGGTGAAGGGCTGAGAAGTACTAGAAGCTGTCTATCGCCTGCAACAAGAATACCTGCCCAGG
 TGACAAGAGTGCCTACGGCCAGTGGACTGCGACTGGGGACTCCAGCATTGACATCCCGAGGACTTTTG
 GAAGAAGACTTCAAAAAGTAGCACACTTTATCCACAGGGGATAGAGTTGACACTGCAGATTGAGAGCC
 ACATGGCCACGAAGGCCACTGAAAGAGTTCAAAGAGAAGCTGGCAGGAGATGAGAAGATCCAGAGTGC
 TGTGGCAACTCTCCGGGAAGAAGTGGAGAAGTTTCTTCAACTTCTCACTACCTGGCCTTCTGACTTC
 TGACAGGAACAGCCTGTGTTTGGCAAGAGGGTAGGATTGTTCCGGGACCCTGTGAACCTGTGCCCTCT
 GAGGCTGAGAAGTGGACCACTGAGCTGTACCATGCTTTCTTTGGTGGGTGTTTCTGTTTACCTGTTTCA
 AATATTTTGGGAACAGGTTATTAAGGACTTGAATTTGAAACGTTATGTAGCCATTAGATCTCCTCGCTC
 ATGCATGTGAGGCAAAGCTATTAAGATCCAGAATTGCCTTTCTGCTTACTCGGTGGTCTGTAGCA
 GGTAAGCAAATGTTCACTTACCCTTGTGTTTTCACTTCTCTTTCTGTTGCCAGATACCAGAGGAG
 CATTGAGTTTTCTGCTTTAAGTTTGGAGTTAGAACTAGTAAGTGTATAAGCAAGAAGTTAGTGTAG
 GGCTGGGATGACGCTCTGCACCTTGGCTTAGGACCTCGGCTTGATTCTCAGTCGCATGGTGAATACAAC
 CACCTGTAACCTCAGTTCAGAGAAATCAATGCCCTCTTCTGGGTTCTGAGGACACCGGGCACATGAAG
 TACAGGCATACATCAGGCAGAATGGTGATACACAGAGAATTTGTTTTAAAGAAAAAATTACAGTCAGC
 AACTTAATGTAATAGAAGGGCTAGGAGTGTCACTTAGAGATAATATACATATCCGATTTTGTGACGCC
 CTGGGTTTCATGCCTAGGACACAAAGACAATTGGCTGTCTCCATGGGTATGAATCCCTCCTGTTTAGAA
 TCAGCAGAGGCCAAAGGCTTTATATTCCACCTGCCTGAGATAAGCAGCTCCTTCTACAATTAGGAACCC
 AGATGCCACCTTCTGAAAGAGTCTTTATTTGTACATCGCTGAATTGCAAACCATCAGTAACTTTTTAATA
 TGGACAATCAAATTTTTACCCACAGAATGTCTACAAGAATTATATTTTTAAAAAATACAACCAAGTTTTTA
 TATTTTAAAAATCTGAACTCAAATAAATTAATCTTAAAAAGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009171

Insert Size: 1437 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>BC026055</u> , <u>AAH26055</u>
RefSeq Size:	2721 bp
RefSeq ORF:	1437 bp
Locus ID:	20425
UniProt ID:	<u>P50431</u>
Cytogenetics:	11 B2
Gene Summary:	Interconversion of serine and glycine.[UniProtKB/Swiss-Prot Function]