

Product datasheet for **RC205102A1V**

Human SHMT1 (NM_148918) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SHMT1 (NM_148918) AAV Particle
Tag:	Myc-DDK
Symbol:	SHMT1
Synonyms:	CSHMT; SHMT
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC205102 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACGATGCCAGTCAACGGGGCCACAAGGATGCTGACCTGTGGTCTCACATGACAAGATGCTGGCAC
 AACCCCTCAAAGACAGTGATGTTGAGGTTTACAACATCATTAAAGAAGGAGAGTAACCGGCAGAGGTTGG
 ATTGGAGCTGATTGCCTCGGAGAATTTCCGACGCCGAGCAGTTTTGGAGGCCCTAGGCTCTTGCTTAAAT
 AACAAATACTCTGAGGGGTACCGGGCCAGAGATACTATGGCGGGACTGAGTTTTATTGATGAACTGGAGA
 CCCTCTGTGAGAAGCGAGCCCTGCAGGCCTATAAGCTGGACCCACAGTGTGGGGGTCAACGTCCAGCC
 CTACTCAGGCTCCCCTGCAAACCTTGTGTGTACTGCTGCTGGTGAACCCCATGGGCGCATCATGGGC
 CTGGACCTTCCGGATGGGGGCCACCTGACCCATGGGTTTCATGACAGACAAGAAGAAAATCTTGCCACGT
 CCATCTCTTTGAATCTATGCCCTACAAGGTGAACCCAGATACTGGCTACATCAACTATGACCAGCTGGA
 GGAGAACGCACGCCTTCCACCCGAAGCTGATCATCGCAGGAACCAGCTGCTACTCCCGAAACCTGGAA
 TATGCCCGGCTACGGAAGATTGCAGATGAGAACGGGGCTATCTCATGGCGGACATGGCTCACATCAGCG
 GGCTGGTGGCGGCTGGCGTGGTGCCTCCCCATTTGAACACTGCCATGTGGTGACCACCACCACACTCAAA
 GACCCTGCGAGGCTGCCGAGCTGGCATGATCTTCTACAGGAAAGGGGTTGCTGTGGCACTGAAGCAAGCT
 ATGACTCTGGAATTTAAAGTTTATCAACACCAGGTGGTGGCAACTGCAGGGCTCTGCTGAGGCCCTGA
 CGGAGCTGGGCTACAAAATAGTCACAGGTGGTCTGACAACCATTTGATCCTTGTGGATCTCCGTCCAA
 AGGCACAGATGGTGAAGGGCTGAGAAGGTGCTAGAAGCCTGTCTATTGCTGCAACAAGAACACCTGT
 CCAGGTGACAGAAGCGCTCTGCCGCCAGTGGACTGCGGCTGGGACCCAGCACTGACGTCCCCTGGAC
 TTTTGGAAAAAGACTTCAAAAAGTAGCCACTTTATTACAGAGGGATAGAGCTGACCCTGCAGATCCA
 GAGCGACACTGGTGTGAGAGCCACCCTGAAAGAGTTCAAGGAGAGACTGGCAGGGGATAAGTACCAGGCG
 GCCGTGACAGGCTCTCCGGGAGGAGTTGAGAGCTTCGCCTCTCTCTTCCCTCTGCCTGGCCTGCCTGACT
 TC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205102 protein sequence
 Red=Cloning site Green=Tags(s)

MTMPVNGAHKDADLWSSHDKMLAQPLKDSVVEVYNIKKESNRQRVGLEL IASENFASRAVLEALGSLN
 NKYSEGYPGQRYGGTEFIDELETLCQKRALQAYKLDPCWGVNVQPYSGSPANFAVYALVEPHGRIMG
 LDLPDGGHLTHGFMTDKKISATSIFFESMPYKVNPDGTGYINYDQLEENARLFHPKLI IAGTSCYSRNLE
 YARLRKIADENGAYLMADMAHISGLVAAGVVPSPFEHCHVVTTHKTLRGCRAGMIFYRKGVAVALKQA
 MTLEFKVYQHVVANCRALSEALTELYKIVTGGSDNHLILVDLRSKGTGGRAEKVLEACSIACNKNTC
 PGDRSALRPSGLRLGTPALTSRGLLEKDFQKVAHF IHRGIELTLQIQSDTGVRATLKEFKERLAGDKYQA
 AVQALREEVESFASLFPLPGLPDF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_148918

ORF Size:

1332 bp

Buffer:

PBS with 0.001% Pluronic F68

Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_148918.1</u> , <u>NP_683718.1</u>
RefSeq Size:	2436 bp
RefSeq ORF:	1335 bp
Locus ID:	6470
UniProt ID:	<u>P34896</u>
Cytogenetics:	17p11.2
MW:	49 kDa