

Product datasheet for **RC203461A1V**

Human SHMT1 (NM_004169) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SHMT1 (NM_004169) AAV Particle
Tag:	Myc-DDK
Symbol:	SHMT1
Synonyms:	CSHMT; SHMT
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

ORF Nucleotide Sequence:

>RC203461 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGATGCCAGTCAACGGGGCCACAAGGATGCTGACCTGTGGTCTCACATGACAAGATGCTGGCAC
 AACCCCTCAAAGACAGTGATGTTGAGGTTTACAACATCATTAAAGAAGGAGAGTAACCGGCAGAGGTTGG
 ATTGGAGCTGATTGCCTCGGAGAATTTCCGACAGCCGAGCAGTTTTGGAGGCCCTAGGCTCTTGCTTAAAT
 AACAAATACTCTGAGGGTACCGGGCCAGAGATACTATGGCGGGACTGAGTTTATTGATGAACTGGAGA
 CCCTCTGTGAGAAGCGAGCCCTGCAGGCCTATAAGCTGGACCCACAGTGTGGGGGTCAACGTCCAGCC
 CTACTCAGGCTCCCCTGCAAACCTTGTGTGTACTGCTGCCCTGGTGAACCCCATGGGCGCATCATGGGC
 CTGGACCTTCCGGATGGGGGCCACCTGACCCATGGGTTTCATGACAGACAAGAAGAAAATCTCTGCCAGT
 CCATCTCTTTGAATCTATGCCCTACAAGGTGAACCCAGATACTGGCTACATCAACTATGACCAGCTGGA
 GGAGAACGCACGCCTTCCACCCGAAGCTGATCATCGCAGGAACAGCTGCTACTCCCGAAACCTGGAA
 TATGCCCGGCTACGGAAGATTGCAGATGAGAACGGGGCTATCTCATGGCGGACATGGCTCACATCAGCG
 GGCTGGTGGCGGCTGGCGTGGTGCCTCCCCATTTGAACACTGCCATGTGGTGACCACCACCACACTCAAA
 GACCCTGCGAGGCTGCCGAGCTGGCATGATCTTCTACAGGAAAGGAGTGAAGTGTGGATCCCAAGACT
 GGCAAAGAGATTCTGTACAACCTGGAGTCTCTTATCAATTCTGCTGTGTTCCCTGGCCTGCAGGGAGGTC
 CCCACAACCACGCCATTGCTGGGGTGTGTGGCACTGAAGCAAGCTATGACTCTGGAATTTAAAGTTTA
 TCAACACCAGGTGGTGGCAACTGCAGGGCTCTGTCTGAGGCCCTGACGGAGCTGGGCTACAAAAAGTC
 ACAGGTGGTCTGACAACCTTTGATCCTTGTGGATCTCCGTTCAAAGGCACAGATGGTGAAGGGCTG
 AGAAGTGTAGAAGCTGTTCTATTGCTGCAACAAGAACACCTGTCAGGTGACAGAAGCGCTCTGCG
 GCCCAGTGGACTGCGGCTGGGGACCCAGCACTGACGTCCCGTGGACTTTTGGAAAAAGACTTCCAAAAA
 GTAGCCCACTTTATTCACAGAGGGATAGAGCTGACCCTGCAGATCCAGAGCGACTGGTGTGAGAGCCA
 CCCTGAAAGAGTTCAAGGAGAGACTGGCAGGGGATAAGTACCAGGCGGCCGTGCAGGCTCTCCGGGAGGA
 GGTTGAGAGCTTCGCCTCTTCTCCCTCTGCCTGGCCTGCCTGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203461 protein sequence
 Red=Cloning site Green=Tags(s)

MTMPVNGAHKDADLWSSHDKMLAQPLKDSDEVYNIKKESNRQRVGLLEIASENFASRAVLEALGSCLN
 NKYSEGYPGQRYGGTEFIDELETLCQKRALQAYKLDPQCWGVNVQPYSGSPANFAVYALVEPHGRIMG
 LDLPDGGHLTHGFMTDKKISATSIFFESMPYKVNPDGYINYDQLEENARLFHPKLIAGTSCYSRNLE
 YARLRKIADENGAYLMADMAHISGLVAAGVVPSPFEHCHVTTTTHTKTLRGCRAGMIFYRKGVKSVDPKT
 GKEILYNLESLINSAVFPGLQGGPHNHAIGVAVALKQAMTLEFKVYQHQQVANCRAALSEALTELGKIV
 TGGSDNHLILVDLRSGTGDGGRAEKVLACSIACNKNTCPGDRSALRPSGLRLGTPALTSRGLLEKDFQK
 VAHFIHRGIELLQIQSDTGVRATLKEFKERLAGDKYQAAVQALREEVESFASFFPLPGLPDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_004169

ORF Size:

1449 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_004169.3</u>
RefSeq Size:	2553 bp
RefSeq ORF:	1452 bp
Locus ID:	6470
UniProt ID:	<u>P34896</u>
Cytogenetics:	17p11.2
MW:	53.1 kDa