

Product datasheet for **RC214283A1V**

Human **ACSM2B** (NM_182617) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ACSM2B (NM_182617) AAV Particle
Tag:	Myc-DDK
Symbol:	ACSM2B
Synonyms:	ACSM2; HXMA; HYST1046
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC214283 representing NM_182617
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCATTGGCTGCGAAAAGTTTCAGGGACTTTGCACCTGTGGGTACTCAGATGTCCAGCCGCACTCTCT
 ACATTAATAGTAGGCAACTGGTGTCCCTGCAGTGGGGCCACCAGGAAGTTCCGGCCAAGTTTAACTTTGC
 TAGTGATGTGTTGGATCACTGGGCTGACATGGAGAAGGCTGGCAAGCGACTCCCAAGCCAGCCCTGTGG
 TGGGTGAATGGGAAGGGGAAGGAATTAATGTGGAATTTTCAGAGAAGTGAAGTGAAGAACAGCCAGCAGGCAG
 CCAACGTCCTCTCGGGAGCCTGTGGCTGCAGCGTGGGGATCGTGTGGCAGTGATGCTGCCCCGAGTGCC
 TGAGTGGTGGCTGGTATCCTGGGCTGCATTGAGCAGGTCTCATCTTTATGCCTGGAACCATCCAGATG
 AAATCCACTGACATACTGTATAGGTTGCAGATGTCTAAGGCCAAGGCTATTGTTGCTGGGGATGAAGTCA
 TCCAAGAAGTGGACACAGTGGCATCTGAATGTCCTTCTCTGAGAATTAAGCTACTGGTGTCTGAGAAAAG
 CTGCGATGGGTGGCTGAACCTCAAGAACTACTAAATGAGGCATCCACCCTCATCACTGTGTGGAGACT
 GGAAGCCAGGAAGCATCTGCCATCTACTTCACTAGTGGGACCAGTGGTCTTCCCAAGATGGCAGAACATT
 CCTACTCGAGCCTGGGCTCAAGGCCAAGATGGATGCTGGTTGGACAGGCTGCAAGCCTCTGATATAAT
 GTGGACCATATCAGACACAGGTTGGATACTGAACATCTTGGGCTCACTTTTGAATCTTGGACATTAGGA
 GCATGCACATTTGTTCTCTTGGCAAAGTTTGACCCACTGGTTATTCTAAAGACACTCTCCAGTTATC
 CAATCAAGAGTATGATGGGTGCCCTATTGTTTACCGGATGTTGCTACAGCAGGATCTTTCAGTTACAA
 GTTCCCCCATCTACAGAACTGCTCGCTGGAGGGGAGTCCCTTCTTCCAGAACTCTGGAGAAGTGGAGG
 GCCCAGACAGGACTGGACATCCGAGAATCTATGGCCAGACAGAAACGGGATTAACCTGCATGGTTTCCA
 AGACAATGAAAATCAAACCAGGATACATGGGAACGGCTGCTTCTGTTATGATGTACAGGTTATAGATGA
 TAAGGGCAACGTCCTGCCCCCGGCACAGAAGGAGACATTGGCATCAGGGTCAAACCCATCAGGCCCTATA
 GGCATCTTCTCTGGCTATGTGGAATATCCGACAAAGACAGCAGCAACATTTCAGAGGAGACTTTTGCTCC
 TTGGAGACCGGGAATCAAAGATGAAGATGGGTATTTCCAGTTTATGGGACGGGCAGATGATATCATTAA
 CTCCAGCGGATACCGATTGGACCTCGGAGGTAGAGAATGCACTGATGAAGCACCTGCTGTGGTTGAG
 ACGGCTGTGATCAGCAGCCAGACCCCGTCCGAGGAGAGGTGGTGAAGGCATTTGTGATCCTGGCCTCGC
 AGTTCTATCCCATGACCCAGAACAGCTACCAAGGAGCTGCAGCAGCATGTGAAGTCACTGACAGCCCC
 ATACAAGTACCAAGAAAGATAGAGTTTGTCTTGAACCTGCCCAAGACTGTACAGGGAAAATTCACGA
 ACCAAACTTCGAGACAAGGAGTGAAGATGTCCGAAAAGCCCGTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214283 representing NM_182617
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MHWLRKVQGLCTLWGTQMSSRTLYINSRQLVSLQWGHQEVPAKFNFASDVLHWADMEKAGKRLPSPALW
 WYNGKGKELMWNFRELSENSQQAANVLSGACGLQRGDRVAVMLPRVPEWWLVILGCIRAGLIFMPGTIQM
 KSTDILYRLQMSKAKAIVAGDEVIQEVDTVASECPSLRILLVSEKSCDGLNFKLLNEASTTHHCVE
 GSQEASAIYFTSGTSLPKMAEHSYSSGLKAKMDAGWTGLQASDIMWTISDTGWILNILGSLLESWTG
 ACTFVHLLPKFDPLVILKTLSSYPIKSMGAPIVYRMLLQDLSSYKFPHLQNLGAGESLLPETLENWR
 AQTGLDIREFYQTETGLTCMVSKTMKIKPGYMGTAASCYDVQVIDDKGNVLPPTGEGDIGIRVKPIRPI
 GIFSGYVENPDKTAANIRGDFWLLGDRGIKDEGYFQFMGRADDIINSSGYRIGPSEVENALMKHPAVVE
 TAVISSPDPVRGEVVKAFVILASQFLSHDPEQLTKELQHVKSVTAPYKYPKIEFVLNLPKTVTGKIQR
 TKLRDKWKMSGKARAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_182617
ORF Size:	1731 bp
Buffer:	PBS with 0.001% Pluronic F7184
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_182617.2</u> , <u>NP_872423.2</u>
RefSeq Size:	1995 bp
RefSeq ORF:	1734 bp
Locus ID:	348158
UniProt ID:	<u>Q68CK6</u>
Cytogenetics:	16p12.3
MW:	64.1 kDa