

Product datasheet for **RC213310A1V**

Human ACSM4 (NM_001080454) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ACSM4 (NM_001080454) AAV Particle
Tag:	Myc-DDK
Symbol:	ACSM4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213310 representing NM_001080454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGATTTTTTTCCGCTACCAAGCCACCTGGCCGGCGCTTAC
 ACAAAGATCACCAGCTTTGGACGCTCTGACTCTTGCTGACTTTGAAGCCATAAATCGCTGTAACAGGCC
 ATTGCCTAAAACTTTAACTTTGCTGCAGATGTGCTGGACCAAGTGGTCCCAAAAGGAGAAGACAGGGGAG
 AGACCAGCTAACCAGCCCTGTGGTGGGTGAATGGCAAAGGGGATGAGGTAAATGGAGCTTCAGAGAAC
 TGGGCTCCTTGTCGCAAAAGCTGCCAACGTGCTACCAAGCCCTGTGGCTGCAGAGAGGAGACCGTTT
 GGCCGTGATTCTGCCAGAATCCCTGAGTGGTGGCTGGTCAATGTAGCTTGATACGAACAGGGATCATC
 TTCATGCCGGGAACAATCCAGCTGACAGCAAAAGACATCTCTACCGGCTGCGAGCATCAAGGCCAAGT
 GCATTGTGGCCAGTGAGGAGGTGGCCCCAGCGGTGGAGTCCATTGTATTGGAGTGTCTGACCTTAAGAC
 AAACTCCTGGTGTCTCCACAAAGCTGGAATGGTGGCTCAGCTTCCAGGAGTTATTTCAATTTCGCTCT
 GAAGAGCACAGCTGTGTGAAACAGGAAGTCAAGAACCAATGACCATTATTTTACCAGTGGGACCACAG
 GCTTTCCTAAATGGCCAGCACTCTCAGAGCAGCCTCGGCATTGGGTTCACCTCTGCGGAAGGTATTG
 GCTGGACTTGAAGTCTCAGATATCATATGGAATATGTCTGACACGGGCTGGGTCAAGGCCGCCATTGGC
 AGTGTGTTTTCTTCTGGCTGTGTGGAGCCTGTGTTTTGTGCATCGAATGGCACAGTTTGACACTGACA
 CCTTCCTAGACACACTTACTACTTATCCCATCACGACCTGTGCACTCTCCACTGTGTACCGGATGCT
 CGTGCAAAAAGACCTTAAGAGATATAAATCAAGAGTCTGCGGCACTGCTTGACCGGAGGGGAGCCACTC
 AACCCAGAAGTCTGGAGCAGTGGAGGGTGCAAACTGGGCTGGAGCTATATGAGGGCTATGGACAGACGG
 AAGTGGGAATGATTTGTGCAATCAGAAAGGCCAAGAAATTAACCAAGTTCAATGGGGAAGGAATGCT
 GCCCTATGATGTCCAGATTATAGATGAAATGGCAATGTCTACCACTGGCAAAAGAGGGGAAATTGCC
 CTCAGACTCAAACCTACAGGCCCTTCTGTTTCTTCTCTAAATATGTGGACAATCCACAGAAAATGCTG
 CCACGATAAGAGGAGATTTTTATGTCACTGGAGACAGAGGAGTATGGACAGTATGGGTATTTCTGGTT
 TGTGCGCAGAGCTGATGATGTCATTATCTCTGGGTACCGTATTGGGCCATTGAAAGTGGAGAGTGA
 CTCATTGAGCATCCAGCAGTTGTTGAATCGGCTGTTGTCAGTAGTCCAGATCAATCCGCGAGAGGTGG
 TGAAAGCTTTTGTGCTTAGCTGCACCCTTAAAGTCTACAACCCAGAGAAATTAAGTCTTGAAGTCA
 GGATCATGTGAAAAATCAACTGCACCTTACAATATCCAAGAAAGGTGGAATTTGTTCAAGAACTCCCA
 AAGACAATCACTGGGAAATCAAACGCAACGTTTTAAGAGACCAAGAATGGAGAGGAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MKIFFRYQTFRFIWLTKPPGRRLHKDHQLWPLTLADFEAINRCNRPLPKNFNAADVLDQWSQKEKTGE
 RPNPALWWWNGKGDEVKWSFRELGSLSRKAANVLTKPCGLQRGDRILAVILPRIPEWWLVNACIRTGII
 FMPGTIQLTAKDILYRLRASKAKCIVASEEVAPAVESIVLECPDLKTKLLVSPQSWNGWLSFQELFQFAS
 EEHSCVETGSQEPMTIYFTSGTTGFPKMAQHSQSSLGIGFTLCGRYWLDLKSSDIIWNMSDTGWVKAAG
 SVFSSWLCGACVFVHRMAQFDTDFTLDTLTTYPITTLCSPTVYRMLVQKDLKRYKFKSLRHCLTGGEPL
 NPEVLEQWRVQTGLELYEGYGQTEVGMICANQKQEIKP GSMGKMLPYDVQIIDENGNVLP PGKEGEIA
 LRLKPTRPFCFFSKYVDNPQKTAATIRGDFYVTGDRGVMSDGYFWFVGRADDVISSGYRIGPFEVESA
 LIEHPAVVESAVVSPDQIRGEVVKAFVLAAPFKSYNPEKLLELQDHVKKSTAPYKYPRKVEFVQELP
 KITITGKIKRNVLRDQEWGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_001080454
ORF Size:	1740 bp
Buffer:	PBS with 0.001% Pluronic F7026
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_001080454.1, NP_001073923.1</u>
RefSeq Size:	1743 bp
RefSeq ORF:	1743 bp
Locus ID:	341392
UniProt ID:	<u>P0C7M7</u>
Cytogenetics:	12p13.31
MW:	65.5 kDa