

Product datasheet for **RC209798A1V**

Human ACSM5 (NM_017888) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ACSM5 (NM_017888) AAV Particle
Tag:	Myc-DDK
Symbol:	ACSM5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC209798 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAGACCATGGCTGAGACACCTAGTCCTCCAGGCACTGAGGAATCCAGGGCATTCTGTGGGTCTCATG
GGAAGCCAGCACCTCTACCTGTTCTCAGAAGATCGTGGCCACCTGGGAAGCCATCAGCCTGGGAAGGCA
GCTGGTGCCTGAGTACTTCAACTTCGCCCATGATGTGCTGGATGTGTGGAGTCGGCTGGAAGAGGCTGGA
CACCGCCCCCAAATCTGCCTTCTGGTGGGTCAATGGCACAGGAGCAGAGATCAAGTGGAGCTTTGAGG
AGCTGGGAAGCAGTCCAGGAAGGCAGCAATGTGCTGGGGGTGCATGCGGCCTGCAGCCTGGGACAG
AATGATGCTGGTACTCCACGGCTCCGGAGTGGTGGTGGTCAAGTACCGGCTGCAGGCGTCCAGGGCCA
GTGATGATTCCGGGTGTGACTCAGCTGACAGAGAAGGACCTCAAGTACCGGCTGCAGGCGTCCAGGGCCA
AGTCCATTATCACCAGTACTCCCTAGCTCCAAGGTGGATGCCATCAGTGCCGAATGCCCTCCCTCCA
GACCAAGCTGCTGGTGTGACAGCAGTCCGGCAGGCTGGTTGAACTTCAGGGAATCCTCCGGGAGGCT
TCTACAGAGCACAACATGCATGAGGACAAAGAGTCGAGACCCGCTGGCCATCTACTTTACAGCGGAACCA
CCGGGGCCCCAAGATGGTTCGAGCACTCCAGAGCAGCTACGGACTGGGTTTTGTGGCCAGCGGAAGACG
GTGGGTGGCCTTGACCGAATCTGACATCTTCTGGAACACGACTGACACTGGCTGGGTGAAGGCAGCCTGG
ACTCTCTTCTGCTGCGCTGACCTAATGGATCTTGCAATTTTGTGCATGAGCTGCCCCGAGTTGATGCCAAAG
TTATCTGAATACTCTCTCAAATTCGGATAACCAACCTCTGCTGTGTCCCAACCATCTTTCGGCTGCT
TGTGCAGGAGGATCTGACCAGGTACCACTTTCAGAGCCTGAGGCACTGTCTGACCGGAGGAGAGGCCCTC
AACCCTGACGTGAGGGAGAAGTGAAACACCACTGGTGTGGAGCTGTACGAAGGCTATGGCCAGTCTG
AAACGGTTGTCATCTGTGCCAATCCAAAGGCATGAAATCAAGTCTGGATCCATGGGAAGGCGTCCCC
ACCCTACGATGTGCAGATTGTGGATGATGAGGCAACGTCCTGCCTCCTGGAGAAGAGGGGAATGTTGCC
GTCCGTATCAGACCACTCGGCCCTTCTGTTTCTTCAATTGCTATTTGGACAATCCTGAGAAGACAGCTG
CATCAGAACAAGGGGACTTTTACATCACAGGGGACCGAGCTCGCATGGACAAGGATGGCTACTTTTGGTT
CATGGGAAGAAACGACGATGTGATCAATTCTTCAAGCTACCGGATCGGGCCTGTTGAAGTGAAAGTGCC
CTGGCAGAGCATCCTGCTGTCTGGAGTCGGCTGCGGTGAGCAGCCAGACCCCATCAGGGGAGAGGTGG
TAAAGGCATTTATAGTCTTACTCCAGCCTACTCTCTCATGACCCAGAGGCACTAACCGGGAACTCCA
GGAGCATGTGAAAGGGTGAAGTCTCCATACAAATACCCAGGAAGGTGGCCTTTGTTTCAGAACTGCCA
AAGACGGTTTCTGAAAGATCAAAGGAGTAAATTGCGAAGTCAGGAGTGGGGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209798 protein sequence

Red=Cloning site Green=Tags(s)

MRPWLRLVLQALRNSRAFCGSHGKPAPLPVPQKIVATWEAISLGRQLVPEYFNFAHDVLDVWSRLEEAG
HRPPNPAFWVNGTGAEIKWSFEELGKQSRKAANVLGGACGLQPGDRMMLVLPRLPEWWLVSVACMRTGT
VMIPGVTQLTEKDLKYRLQASRAKSIIITSDSLAPRVDIAEAECPSLQTKLLVSDSSRPGLNFRRELLREA
STEHNCMRTKSRDPLAIYFTSGTTGAPKMVEHSQSSYGLGFVASGRRWVALTESDIFWNTTDTGWVKA
AWTLFSAWPNGSCIFVHELPRVDKVLNLTSLKFPITTLCCVPTIFRLLVQEDLTRYQFQSLRHCLTGGEAL
NPDVREKWKHQTGVELYEGYQSETVVICANPKGMKIKSGSMGKASPPYDVQIVDDEGNVLPPEEGNVA
VRIRPTRPFCFFNCYLDNPEKTAASEQGDYITGDRARMKDKGYFWFMRNDVINSSSYRIGPVEVESA
LAEHPAVLESAVSSPDPIRGEVVKAFIVLTPAYSSHDPEALTRELQEHVKRVTAPYKYPRKVAFFVSELP
KTVSGKIQRSLRSQEWGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_017888
ORF Size:	1737 bp
Buffer:	PBS with 0.001% Pluronic F6505
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_017888.2, NP_060358.2</u>
RefSeq Size:	2428 bp
RefSeq ORF:	1740 bp
Locus ID:	54988
UniProt ID:	<u>Q6NUN0</u>
Cytogenetics:	16p12.3
MW:	64.7 kDa