

Product datasheet for **RC215229A1V**

Human SLC39A4 (NM_017767) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC39A4 (NM_017767) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC39A4
Synonyms:	AEZ; AWMS2; ZIP4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215229 representing NM_017767
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGTGGACGTTGTTGGACTTGAAGGGAACAGGCCCTCGGGGAAGCCCTGGCCAGGCCCTGCCTCTCC
 CCTCCCTGGTGGGCCAGCGCCCTGCTCACTTGTCTCTGCCACAGTGCCTGTCTGTGGAGGACGCCCT
 GGGCCTGGGCGAGCCTGAGGGGTGAGGCTGCCCGGGCCGGTCTTGAGGCCAGGTACGTCGCCCGC
 CTCAGTGCCGCCCGCTCTGTACCTCAGCAACCCGAGGGCACCTGTGAGGACGCTCGGGCTGGCCTCT
 GGGCCTCTCATGCAGACCACCTCTGGCCCTGCTCGAGAGCCCCAAGGCCCTGACCCGGGCCTGAGCTG
 GCTGCTGCAGAGGATGCAGGCCCGGGCTGCCGGCCAGACCCCAAGACGGCTGCGTAGATATCCCTCAG
 CTGCTGGAGGAGCGGTGGGGCGGGGGCTCCGGGCAGTGTGGCGCGCTCTGGCTGCCCTGCTGGACC
 ATGTCAGGAGCGGGTCTTGCTTCCACGCTTGGCGAGCCCTCAGTACTTCGTGGACTTTGTGTTCCAGCA
 GCACAGCAGCGAGGTCCCTATGACGCTGGCCGAGCTGTCAGCCTTGATGCAGCGCTGGGGGTGGGCAGG
 GAGGCCACAGTGACCACAGTCATCGGCACAGGGGAGCCAGCAGCCGGGACCCTGTGCCCTCATCAGCT
 CCAGCAACAGCTCCAGTGTGTGGGACACGGTATGCCTGAGTGCCAGGGACGTGATGGCTGCATATGGACT
 GTCGGAACAGGCTGGGGTGACCCCGGAGGCCTGGGCCAACTGAGCCCTGCCCTGCTCCAACAGCAGCTG
 AGTGGAGCCTACACCTCCAGTCCAGGCCCGCCGTCCAGGACCAGCTCAGCCAGTCAGAGAGATATCTGT
 ACGGCTCCCTGGCCACGCTGCTCATCTGCCTCTGCGCGGTCTTTGGCCTCCTGCTGCTGACCTGCACTGG
 CTGCAGGGGGTGCCTCACTACCTCTGCAGACCTTCTGAGCCTGGCAGTGGGTGCACTCACTGGGGAC
 GCTGTCTGCTGCTGACGCCCCAAGGTGCTGGGGCTGCATACACACAGCGAAGAGGGCCTCAGCCACAGC
 CCACCTGGCGCCTCCTGGCTATGCTGGCCGGGCTCTACGCTTCTTCTGTTTGAACCTCTTCAATCT
 CCTGCTGCCAGGGACCCGAGGACCTGGAGGACGGGCCCTGCGGCCACAGCAGCCATAGCCACGGGGGC
 CACAGCCACGGTGTGTCCTGCAGCTGGCACCCAGCGAGCTCCGGCAGCCCAAGCCCCCACGAGGGCT
 CCCGCGCAGACCTGGTGGCGGAGGAGAGCCGAGCTGCTGAACCCTGAGCCAGGAGACTGAGCCAGA
 GTTGAGGCTACTGCCCTATATGATCACTCTGGGCGACGCCGTGCACAACCTCGCCGACGGGCTGGCCGTG
 GCGCGCGCTTCGCGTCTCTGGAAGACCGGGCTGGCCACCTCGCTGGCCGTGTTCTGCCACGAGTTGC
 CACACGAGCTGGGGGACTTCGCCGCTTGTCTGCACGCGGGGTGTCCGTGCGCAAGCACTGCTGCTGAA
 CCTGGCCTCCGCGCTCACGGCCTTCGCTGGTCTTACGTGGCACTCGCGTTGGAGTCAGCGAGGAGAGCG
 AGGCCTGGATCCTGGCAGTGGCCACCGCCTGTTCTTACGTAGCACTCTGCGACATGCTCCCGCGCATG
 TTGAAAGTACGGGACCCGCGGCCCTGGCTCCTCTTCTGCTGCAACAGTGGGCTGCTGGGCGGCTGG
 ACCGTCCTGCTGCTGCTGCCCTGTACGAGGATGACATCACCTTCTGATACCCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MVDVVGLERETGPRGSPWPGLPLPSLVGPAPLLTCLCPQCLSVEDALGLGEPEGSGLPPGPVLEARYVAR
 LSAAVLYLSNPEGTCEDARAGLWASHADHLLALLESPKALTPGLSWLLQRMQARAAGQTPKTACVDIPQ
 LLEEAVGAGAPGSAGGVLAALLDHVRSGSCFHALPSPQYFVDFVFQHSSEVPMTLAELSALMQRLGVGR
 EAHSDHSHRHRGASSRDPVPLISSNSSSVWDTVCLSARDVMAAYGLSEQAGVTPEAWAQLSPALLQQQL
 SGAYTSQSRPPVQDQLQSERYLYGSLATLLICLCAVFGLLLLTCTGCRGVAHYILQTFLSLAVGALTGD
 AVLHLTPKVLGLHTHSEEGLSPOPTWRLLAMLAGLYAFFLFENLFNLLPRDPEDLEDGPCGHSSHSHGG
 HSHGVSLQLAPSELRQPKPPHEGSRADLVAEESPELLNPEPRRLSPELRLLPYMITLGDVHNFADGLAV
 GAFASSWKTGLATSLAVFCHELPHELGDFAALLHAGLSVRQALLNLASALTAFAGLTWHSRLESARRA
 RPSWQWPPACSLRSTLRHAPGDVESTGPAAPGSSSCCTTACWAAGPSCCCCPCTRMTSPSDTLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_017767
ORF Size:	1866 bp
Buffer:	PBS with 0.001% Pluronic F7342
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_017767.2, NP_060237.2</u>
RefSeq Size:	2317 bp
RefSeq ORF:	1869 bp
Locus ID:	55630
UniProt ID:	<u>Q6P5W5</u>
Cytogenetics:	8q24.3
MW:	66 kDa