

Product datasheet for **RC224149A1V**

Human CARS (NM_139273) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CARS (NM_139273) AAV Particle
Tag:	Myc-DDK
Symbol:	CARS
Synonyms:	CARS; CYSRS; MCDDBH; MDBH; MGC:11246
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224149 representing NM_139273
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGATTCTCCGGGCAGCAGGGCAAAGCCGGCGTGTGCAGCCCCAGTGGTCCCCTCTGCTGGGA
 CCCAGCCATGCAGACTCCACCTTTACAACAGCCTCACCAGGAACAAGGAAGTGTTCATACCTCAAGATGG
 GAAAAAGGTGACGTGGTATTGCTGTGGGCCAACCGTCTATGACGCATCTCACATGGGGCAGCCAGGTCC
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 ACATTACGGATATTGATGACAAGATCATCAAGAGGGCCCGGCAGAACACCTGTTTCGAGCAGTATCGGGA
 GAAGAGGCCTGAAGCGGCACAGCTCTTGAGGATGTTTCAGGCCGCCCTGAAGCCATTTTCAGTAAATTA
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 GGAAGAAGCCAAGGATTTGCTCTCTGACTGGCTGGATTCTACACTTGGCTGTGATGTCAGTACAAATTC
 ATCTTCTCCAAGCTGCCCAAGTTCTGGGAGGGGACTTCCACAGAGACATGGAAGCTCTGAATGTTCTCC
 CTCCAGATGTCTTAACCCGGGTTAGTGAGTATGTGCCAGAAATTTGTAACCTTTGTCCAGAAGATTGTGGA
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 ATGACAATGAGCTGGCAGCTCGGAGGCTACTTTGAAACGACTGCTGGGTGAGTACTTCTGACAC
 AGGCCACCTGACCATTGCAGGCTGCAAAATGTCAAAGTCACTAAAAAATTCATCACCATTAAAGATGCC
 TTGAAAAAGCACTCAGCAGGCAGTTGCGGCTGGCCTTCTCATGCACTCGTGAAGGACACCTGGACT
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 AGATATCCTTCGCGCTCCTGTTGACATCACTGGTCAGTTTGAGAAGTGGGGAGAAGAAGAAGCAGAACTG
 AATAAGAACTTTTATGACAAGAAGACAGCAATTCACAAAGCCCTCTGTGACAATGTTGACACCCGCACCG
 TCATGGAAGAGATGCGGGCCTTGGTCAGTCAGTGCAACCTCTATATGGCAGCCCGAAAGCCGTGAGGAA
 GAGGCCCAACCAGGCTCTGCTGGAGAACATGCCCTGTACCTCACCCTATGCTGAAGATCTTTGGGGCC
 GTAGAAGAGGACAGCTCCCTGGGATTCGGGTGCGAGGGCCTGGAACAGCCTCAGTCTCGAGGCCACAG
 TCATGCCCTACCTTCAGGTGTTATCAGAATCCGAGAAGGAGTGCAGGAAGATTGCCCAGAGCAAAAAGT
 CCCTGAGATTCTGCAGCTCAGCGATGCCCTGCGGGACAACATCCTGCCCGAGCTTGGGGTGCGGTTTGA
 GACCACGAAGGACTGCCACAGTGGTGAACCTGGTAGACAGAAACACCTTATTAAGAGAGAGAGAAGAA
 AGAGACGGGTTGAAGAGGAGAAGAGGAAGAAGAAGAGGAGGCGGCCGAGGAAACAGGAACAAGAAGC
 AGCAAAGCTGGCCAAGATGAAGATCCCCCAGTGAGATGTTCTTGTGAGAAACCGACAAATACTCCAAG
 TTTGATGAAAATGTAAGCATGGTCTGCCACACATGACATGGAGGGCAAAGAGCTCAGCAAAGGGCAAGC
 CAAGAAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC224149 representing NM_139273 Red=Cloning site Green=Tags(s) MADSSGQGGKRRVQPQWSPAGTQPCRLHLYNSLTRNKEVFIPODGKKVTWYCCGPTVYDASHMGHARS YISFDILRRVLKDYFKFDVFCMNIITDIDDKIIKRARQNLFEQYREKRPEAAQLLEDVQAALKPFSVKL NETTDPDKKQMLERIQHAVQLATEPLEKAVQSRLTGEEVNSCVELLEEAKDLLSDWLDSTLGCDVTDNS IFSGLPKFWEGDFHRDMEALNVLPPDVLTRVSEYVPEIVNFVQKIVDNGYGYVSNQSVYFDATAFASSEK HSYGLVPEAVGDQKALQEGEGLSISADRLSEKRSPNDFALWKASKPGEPSPWCPWKGKRGWGHIECSA MAGTLLGASMDIHGGGDLRFPHHDNELAQSEAYFENDCWVRYFLHTGHLTIAGCKMSKSLKNFITIKDA LKKHSARQLRLAFLMHSWKDLDYSSNTMESALQYEKFLNEFFLNKVDILRAPVDITGQFEKWGEEEAEL NKNFYDKKTAIHKALCDNVDTRTVMEEMRALVSQCNLYMAARKAVRKRPNQALLENIALYLTHMLKIFGA VEEDSSLGFPVGGPGTSLSEATVMPYLQVLSEFREGVRKIAREQKVPEILQLSDALRDNLPELGVRFE DHEGLPTVVKLVDNRNTLLKEREKRRVEEEKRKKKEEAARRKQEQEAAKLAKMKIPPSEMFLSETDKYSK FDENVSMVCPHMTWRKSSAKGKPRS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_139273
ORF Size:	2178 bp
Buffer:	PBS with 0.001% Pluronic F8769
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:	NM_139273.2
RefSeq Size:	2536 bp
RefSeq ORF:	2181 bp
Locus ID:	833
UniProt ID:	P49589
Cytogenetics:	11p15.4
MW:	82.7 kDa