

Product datasheet for **RC224092A1V**

Human CARS (NM_001014437) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CARS (NM_001014437) 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:**

>RC224092 representing NM_001014437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGATTCTCCGGGCAGCAGGCTCCTGACTACAGGTCCATTCTGAGCATTAGTGACGAGGCAGCCA
 GGGCACAAGCCCTGAACGAGCACCTCAGCACGCGTAGCTATGTCCAGGGTACTCACTGTCCCAGGCAGA
 CGTGGACGCGTTCAGGCAGCTCTCGGCCCGCCCGCTGACCCCACTCTTCCACGTGGCTCGGTGGTTC
 AGGCACATAGAAGCGCTCCTGGGTAGCCCTGTGGCAAAGGCCAGCCCTGCAGGCTCCAAGCAAGCAAAG
 GCCGGCGTGTGCAGCCCACTGGTCCCCTCCTGCTGGGACCCAGCCATGCAGACTCCACCTTTACAACAG
 CCTCACCAGGAACAAGGAAGTGTTCATACCTCAAGATGGGAAAAAGGTGACGTGGTATTGCTGTGGGCCA
 ACCGTCTATGACGCATCTCACATGGGGCAGCCAGGCTCCTACATCTCTTTTGATATCTTGAGAAGAGTGT
 TGAAGGATTACTTCAAATTTGATGTCTTTATTGCATGAACATTACGGATATTGATGACAAGATCATCAA
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 CACGGGAGAGGAAGTCAACAGCTGTGTGGAGGTGTGTGCTGGAAGAAGCCAAGGATTTGCTCTGACTGG
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 GGAAAGGGTCTCGGGCTGGCATATCGAGTGTCTGGCCATGGCAGGCACCCCTCTAGGGGCTTCGATGG
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 ATATGAGAAGTCTTGAATGAGTTTTTCTTAAATGTGAAAGATATCCTTCGCGCTCCTGTTGACATCACT
 GGTGAGTTTGAGAAGTGGGAGAAGAAGAAGCAGAACTGAATAAGAACTTTATGACAAGAAGACAGCAA
 TTCACAAAGCCCTCTGTGACAATGTTGACACCCGACCGTCATGGAAGAGATGCGGGCCTTGGTCAGTCA
 GTGCAACCTCTATATGGCAGCCCGGAAAGCCGTGAGGAAGAGGCCCAACCAGGCTCTGCTGGAGAATC
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 TCGGAGGGCCTGGAACAGCCTCAGTCTCGAGGCCACAGTCATGCCCTACCTTCAGGTGTTATCAGAATT
 CCGAGAAGGAGTGCAGGAAGATTGCCCGAGAGCAAAAGTCCCTGAGATTCTGCAGCTCAGCGATGCCCTG
 CGGGACAACATCTGCCCGAGCTTGGGGTGGGTTTGAAGACCACGAAGGACTGCCCACAGTGGTGAAAC
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 GAAAGAGGAGGCGGCCCGGAGGAAACAGGAACAAGAAGCAGCAAAAGCTGGCCAAGATGAAGATTCCTCCC
 AGTGAGATGTTCTTGTGAGAAACCGACAAATACTCCAAGTTTGATGAAAATGGTCTGCCACACATGACA
 TGGAGGGCAAAGAGCTCAGCAAAGGGCAAGCAAGAAGCTGAAGAAGCTCTTCGAGGCTCAGGAGAAGCT
 CTACAAGGAATATCTGCAGATGGCCAGAATGGAAGCTTCCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC224092 representing NM_001014437 Red=Cloning site Green=Tags(s) MADSSGQQAPDYRSILSISDEAARAQALNEHLSTRSYVQGYSLSQADVDAFRQLSAPPADPQLFHVARWF RHIEALLGSPCGKGQPCRLQASKGRRVQPQWSPAGTQPCRLHLYNSLTRNKEVFIPQDGKKVTWYCCGP TVYDASHMGHARSYISFDILRRVLKDYFKFDVFCMNITDIDDKIIKRARQNHLEFYREKRPEAAQLLE DVQAALKPFSVKLNETTDPDKQMLERIQHAVQLATEPLEKAVQSRLTGEEVNSCVELLEEAKDLLSDW LDSTLGCDDVTDNSIFSKLPKFWEGDFHRDMEALNVLPPDVLTRVSEYVPEIVNFVQKIVDNGYGYVSNNGS VYFDTAKFASSEKHSYGKLVPEAVGDQKALQEGEGDLSISADRLSEKSPNDFALWKASKPGEPSWPCPW GKGRPGWHIECSAMAGTLLGASMDIHGGGFDLRFPHHDNELAQSEAYFENDCWVRYFLHTGHLTIAGCKM SKSLKNFITIKDALKKHSARQLRLAFLMHSWKDTLDYSSNTMESALQYEKFLNEFFLNVDILRAPVDIT GQFEKWGEEEEAELNKNFYDKKTAIHKALCDNVDRTRVMEEMRALVSQCNLMAARKAVRKRPNQALLEN ALYLTHMLKIFGAVEEDSSLGFPVGGPGTSLSEATVMPYLQVLSEFREGVRKIAREQKVPEILQLSDAL RDNILPELGVRFEDHEGLPTVVKLVDRNTLLKEREKRRVEEEKRKKKEEAARRKQEQAALKAKMKIPP SEMFLSETDKYSKFDENGLPTHMEGKELSKGQAKKLKKLFEAQEKLYKEYLQMAQNGSFQ SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001014437
ORF Size:	2493 bp
Buffer:	PBS with 0.001% Pluronic F8754
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_001014437.1</u>
RefSeq Size:	2767 bp
RefSeq ORF:	2496 bp
Locus ID:	833
UniProt ID:	<u>P49589</u>
Cytogenetics:	11p15.4
MW:	94.5 kDa