

Product datasheet for **RC204009A1V**

Human HARS1 (NM_002109) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human HARS1 (NM_002109) AAV Particle
Tag:	Myc-DDK
Symbol:	HARS1
Synonyms:	CMT2W; HARS; HRS; USH3B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204009 representing NM_002109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGAGCGTGC GGCGCTGGAGGAGCTGGTAAACTTCAGGGAGAGCGGTGCGAGGCCCTCAAGCAGC
 AGAAGGCCAGCGCCGAGCTGATCGAGGAGGAGGTGGCGAACTCCTGAACTGAAGGCACAGCTGGGTCC
 TGATGAAAGCAAACAGAAATTTGTGCTCAAACCCCAAGGGCACAAGAGACTATAGTCCCGGCAGATG
 GCAGTTTCGCGAGAAGGTGTTGACGTAATCATCCGTTGCTTCAAGCGCCACGGTGCAGAAGTCATTGATA
 CACCTGTATTTGAACTAAAGGAACTGATGGGAAAGTATGGGGAAGACTCCAAGCTTATCTATGACCT
 GAAGGACCAGGGCGGGAGCTCCTGTCCCTTCGCTATGACCTCACTGTTCTTTTCTCGGTATTTGGCA
 ATGAATAAACTGACCAACATTAACGCTACCACATAGCAAAGGTATATCGGCGGGATAACCCAGCCATGA
 CCCGTGGCCGATACCGGGAATTCTACCAGTGTGATTTTACATTGCTGGGAACTTTGATCCCATGATCCC
 TGATGCAGAGTGCCTGAAGATCATGTGCGAGATCCTGAGTTCACCTCAGATAGGGGACTTCTGGTCAAG
 GTAAACGATCGACGATTCTAGATGGGATGTTTGTCTATCTGTGGTGTTCCTGACAGCAAGTCCGTACCA
 TCTGCTCCTCAGTAGACAAGCTGGACAAGGTGTCTGGGAAGAGGTGAAGAATGAGATGGTGGGAGAGAA
 GGGCCTTGACCTGAGGTGGCTGACCGCATTGGGGACTATGTCCAGCAACATGGTGGGTATCCCTGGTG
 GAACAGCTGCTCCAGGATCCTAAACTATCCCAAACAAGCAGGCCCTTGGAGGGCCTGGGAGACCTGAAGT
 TGCTCTTTGAGTACCTGACCCTATTTGGCATTGATGACAAAATCTCCTTTGACCTGAGCCTTGCTCGAGG
 GCTGGATTACTACCTGGGGTATCTATGAGGCAGTGTGCTACAGACCCAGCCAGGCAGGGGAAGAG
 CCCCTGGGTGTGGCAGTGTGGCTGCTGGAGGACGCTATGATGGGCTAGTGGGCATGTTGACCCCAAAG
 GGGCAAGGTGCCATGTGTGGGCTCAGCATTGGGGTGGAGCGGATTTTCTCCATCGTGGACAGAGACT
 AGAGGCTTTGGAGGAGAAGATACGGACCACGGAGACACAGGTGCTTGTGGCATCTGCACAGAAGAAGCTG
 CTAGAGGAAAGACTAAAGCTTGTCTCAGAACTGTGGGATGCTGGGATCAAGGCTGAGCTGCTGTACAAGA
 AGAACCCAAAGCTACTGAACAGTTACAGTACTGTGAGGAGGCAGGCATCCCCTGGTGGCTATCATCGG
 CGAGCAGGAACTCAAGGATGGGGTATCAAGCTCCGTTCAGTGACGAGCAGGGAAGAGGTGGATGTCCGA
 AGAGAAGACCTTGTGGAGGAAATCAAAGGAGAACAGGCCAGCCCTCTGCATCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAERAAL EELVKLQGERVRLKQKASAELEIEEVAKLLKLAQLGPDESKQKFLKTPKGTDRDYSRQMA
 AVREKVF DVIIRCFKRHGA EVIDTPVFELK ETLMGKYGEDSKLIYDLKDQGGELLSLRYDLVVPFARYLA
 MNKLTNIKRYHI AKVYRRDNPAMTRGRYREFYQCDFDIAGNFDPMPDAECLKIMCEILSSLQIGDFLVK
 VNDRRILDGMFAICGVSDSKFRTICSSVDKLDKVSWEVKNEMVGEKGLAPEVADRIGDYVYQHGGSVSLV
 EQLLQDPKLSQNKQALEGLGDLKLLFEYLTFLGIDDKISFDLSLARGLDYYTGVIEAVLLQTPAQAGEE
 PLGVGVSVAAGGRYDGLVGMFDPKGRKVPVGLSIGVERIFSIVEQRLEALEEKIRTTETQVLVASAQKLL
 LEERLKL VSELWDAGIKAELLYKKNPKLLNQLQYCEEAGIPLVAIIGEQLKDGVIKLRSVTSREEVDVR
 REDLVEEIKRRTGQPLCIC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_002109

ORF Size:

1527 bp

Buffer:	PBS with 0.001% Pluronic F68
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_002109.3</u>
RefSeq Size:	1981 bp
RefSeq ORF:	1530 bp
Locus ID:	3035
UniProt ID:	<u>P12081</u>
Cytogenetics:	5q31.3
MW:	57.2 kDa