

Product datasheet for **RC226041A1V**

Human Lysyl tRNA synthetase (KARS) (NM_001130089) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Lysyl tRNA synthetase (KARS) (NM_001130089) AAV Particle
Tag:	Myc-DDK
Symbol:	KARS
Synonyms:	CMTRIB; DEAPLE; DFNB89; KARS; KARS2; KRS; LEPID
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC226041 representing NM_001130089
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTGACGCAAGCTGCTGTAAGGCTTGTAGGGGTCCTCGCGAAACCTCCTGGGCAGAGTGGGGTC
 ACAGGGAACCTGCGACTGGGTCAACTTGCTCCTTTCACAGCGCCTCACAAGGACAAGTCATTTTCTGATCA
 AAGAAGTGAGCTGAAGAGACGCCTGAAAGCTGAGAAGAAAGTAGCAGAGAAGGAGGCCAAACAGAAAGAG
 CTCAGTGAGAAACAGCTAAGCCAAAGCCACTGCTGCTGCCACCAACCACACCACTGATAATGGTGTGGGTC
 CTGAGGAAGAGAGCGTGGACCCAAATCAATACTACAAAATCCGAGTCAAGCAATTCATCAGCTGAAGGT
 CAATGGGAAGACCCATACCCACACAAGTTCCATGTAGACATCTCACTCACTGACTTCATCCAAAAATAT
 AGTCACCTGCAGCCTGGGGATCACCTGACTGACATCACCTTAAGGTGGCAGGTAGGATCCATGCCAAA
 GAGCTTCTGGGGAAAGCTCATCTTCTATGATCTTCGAGGAGAGGGGGTGAAGTTGCAAGTCATGCCAA
 TTCCAGAAATTATAAATCAGAAGAAGATTTATTCATATTAATAACAACTGCGTCGGGGAGACATAATT
 GGAGTTCAGGGGAATCCTGGTAAACCAAGAAGGGTGAGCTGAGCATCATTCCGTATGAGATCACACTGC
 TGTCTCCCTGTTTGCATATGTTACCTCATCTTCACTTTGGCCTCAAAGACAAGGAAACAAGGTATCGCCA
 GAGATACTTGGACTTGATCCTGAATGACTTTGTGAGGCAGAAATTTATCATCCGCTCTAAGATCATCACA
 TATATAAGAAGTTTCTAGATGAGCTGGGATTCTAGAGATTGAAACTCCCATGATGAACATCATCCAG
 GGGGAGCCGTGGCCAAGCCTTTCATCACTTATCACAACGAGCTGGACATGAACCTATATATGAGAATTGC
 TCCAGAACTCTATCATAAGATGCTTGTGGTGGTGGCATCGACCGGTTTATGAAATTGGACGCCAGTTC
 CGGAATGAGGGGATTGATTTGACGCACAATCCTGAGTTCACCACCTGTGAGTTCTACATGGCCTATGCAG
 ACTATCACGATCTCATGAAATCACGGAGAAGATGGTTTCAGGGATGGTGAAGCATATTACAGGCAGTTA
 CAAGGTACCTACCAACCCAGATGGCCAGAGGGCCAAGCCTACGATGTTGACTTCACCCACCCTTCCGG
 CGAATCAACATGGTAGAAGAGCTTGAGAAGGCCCTGGGATGAAGCTGCCAGAAACGAACCTCTTTGAAA
 CTGAAGAACTCGCAAAATTTCTGATGATATCTGTGTGGCAAAAGCTGTTGAATGCCCTCCACCTCGGAC
 CACAGCCAGGCTCCTTGACAAGCTTGTGGGAGTTCTGGAAGTGACTTGCATCAATCTACATTCATC
 TGTGATACCCACAGATAATGAGCCCTTTGGCTAAATGGCACCCTCTAAAGAGGGTCTGACTGAGCGCT
 TTGAGCTGTTTGCATGAAGAAAGAGATATGCAATGCGTATACTGAGCTGAATGATCCCATGCGGCAGCG
 GCAGCTTTTTGAAGAACAGGCCAAGGCCAAGGCTGCAGGTGATGATGAGGCCATGTTTCATAGATGAAAC
 TTCTGTACTGCCCTGGAATATGGGCTGCCCCCACAGCTGGCTGGGCATGGGCATTGATCGAGTCGCCA
 TGTTTCTCACGACTCCAACAACATCAAGGAAGTACTTCTGTTTCCTGCCATGAAACCCGAAGACAAGAA
 GGAGAATGTAGCAACCACTGATACACTGGAAGCACACAGTTGGCACTTCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226041 representing NM_001130089
 Red=Cloning site Green=Tags(s)

MLTQAAVRLVRGSLRKTSWAEGHRELRLGQLAPFTAPHKDKSFSDQRSELKRRLKAEKKVAEKEAKQKE
 LSEKQLSQATAAATNHTTDNGVPEEESVDPNQYKIRSQAIIHLKVNEDPPYHKFHVDISLTDIFIQKY
 SHLQPGDHLTDITLKVAGRIHAKRASGGKLIIFYDLRGEVGLQVMANSRNYKSEEEFIHINNKLRRGDII
 GVQGNPGKTKKGELSIIPYEITLLSPCLHMLPHLHFLGKDKETRYRQRYLDLILNDFVRQKFIIRSKIIT
 YIRSFDELGFLEIETPMNIIIPGAVAKPFIYHNELDMNLYMRIAPELYHKMLVVGIDRVYEIGRQF
 RNEGIDLTHNPEFTTCEFYMAYADYHDLMEITEKMVSGMVKHITGSYKVTYHPDGPEGQAYDVDFTPPFR
 RINMVEELEKALGMKLPETNLFETEETRKILDDICVAKAVECPPPRTTARLLDKLVGEFLEVTCINPTFI
 CDHPQIMSLAKWHRKEGLTERFELFVMKEICNAYTELNDPMRQRLFEEQAKAKAAGDDEAMFIDEN
 FCTALEYGLPPTAGWGMGIDRVAMFLTDSNNIKEVLLFPAMKPEDKKENVATTDLTLESTTVGTSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001130089
ORF Size:	1875 bp
Buffer:	PBS with 0.001% Pluronic F8969
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_001130089.1</u>
RefSeq ORF:	1878 bp
Locus ID:	3735
UniProt ID:	<u>Q15046</u>
Cytogenetics:	16q23.1
MW:	71.3 kDa