

Product datasheet for **RC202852A1V**

Human GARS (NM_002047) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GARS (NM_002047) AAV Particle
Tag:	Myc-DDK
Symbol:	GARS
Synonyms:	CMT2D; DSMAV; GARS; GlyRS; HMN5; HMN5A; SMAD1; SMAJI
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202852 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCCCTCTCCGCTCCAGTGCTGCTTAGAGGTGCTCGCGCCGCTCTGCTGCTGCTGCTGCCGCCCGGC
TCTTAGCCCGACCTCGCTCCTGCTCCGCCGGTCCCTCAGCGCGCCTCCTGCGCCCGATCTCCTTGCC
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GTGCGCCAGCAGGAGATCTTGTGCGAAAACCAAGAAGATAAAGCACCCCAAGTAGACGTAGACAAAG
CAGTGGCTGAGCTCAAAGCCCGCAAGAGGGTCTGGAAGCAAAGGAGCTGGCGTTACAGCCCAAAGATGA
TATTGTAGACCGAGCAAAAATGGAAGATACCCTGAAGAGGAGGTTTTCTATGATCAAGCTTTTGCTATT
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AGTTTTAAAGACCTCTGGCCATGTAGACAAATTTGCTGACTTCATGGTAAAGACGTAAAAATGGAGAA
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ACAGTCAATGTTGTTGAGTTTGAACCCAGTAAGGGAGCAATTGGTAAGGCATATAAGAAGGATGCAAAAC
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TTCCAGAAAACACTATATGTGGAAGAAGTTGTTCCGAATGTAATTGAACCTTCTTCGGCCTGGGTAGGA
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CCCTGCTGTAGTTGCTCCATTCAAATGTTCCGCTCCTCCCACTGAGCCAAAACAGGAGTTCATGCCATTT
GTCAAGGAATTATCGGAAGCCCTGACCAGGCATGGAGTATCTCAGAAAGTAGACGATTCTCTGGGTCAA
TCGGAAGGCGCTATGCCAGGACTGATGAGATTGGCGTGGCTTTTGGTGTACACATTGACTTTGACACAGT
GAACAAGACCCCCCACTGCAACTCTGAGGGACCGTGACTCAATGCGGCAGATAAGAGCAGAGATCTCT
GAGCTGCCCAGCATAGTCCAAGACCTAGCCAATGGCAACATCACATGGGCTGATGTGGAGGCCAGGTATC
CTCTGTTTGAAGGGCAAGAGACTGGTAAAAAGAGACAATCGAGGAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202852 protein sequence Red=Cloning site Green=Tags(s) MPSRPVLLRGARAALLLLPPRLLARPSLLRRSLAASCAPISLPAAASRSSMDGAGAEVLAPLRLA VRQQGDLVRKLKEDKAPQVDVDKAVAEKARKRVLEAKELALQPKDDIVDRAKMEDTLKRRFFYDQAFAI YGGVSGLYDFGPVGCALKNNIIQTWRQHF IQEEQILEIDCTMLTPEPVLKTSGHVDKFADFMVKDVKNGE CFRADHLLKAHLQKLMSDKKCSVEKKSEMESVLAQLDNYGQQELADLFVNYNVKSPITGNDLSPPVSFNL MFKTFIGPGGNMPGYLRPETAQIGIFLNFKRLLEFNQGGKLPFAAAQIGNSFNEISPRSGLIRVREFTMAE IEHFVDPSEKDHDPKFQNVADLHLYLSAKAQVSGQSARKMRLGDAVEQGVINNTVLGYF IGRIYLYLTKV GISPKDLRFRQHMENEMAHYACDCWDAESKTSYGWIEIVGCADRSCYDLSCHARATKVPPLVAEKPLKEPK TVNVVQFEPKGAIGKAYKDAKL VMEYLAICDECYITEMEMLLNEKGFTIETEGKTFQLTKDMINVKR FQKTLVYEEVVPNVIEPSFGLGRIMYTVFEHTFHVREGDEQRTFFSFPVAVVPFKCSVLPLSQNQEFMPF VKELSEALTRHGVSHKVDSSSGSIGRRYARTDEIGVAFGVTIDFDTVNKTPHTATLRDRDSMRQIRAEIS ELPSIVQDLANGNITWADVEARYPLFEGQETGKKETIEE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_002047
ORF Size:	2217 bp
Buffer:	PBS with 0.001% Pluronic F5369
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_002047.2</u>
RefSeq Size:	2759 bp
RefSeq ORF:	2220 bp
Locus ID:	2617
UniProt ID:	<u>P41250</u>
Cytogenetics:	7p14.3
MW:	83.1 kDa