

Product datasheet for **RC224071A1V**

Human HMGCS1 (NM_001098272) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human HMGCS1 (NM_001098272) AAV Particle
Tag:	Myc-DDK
Symbol:	HMGCS1
Synonyms:	HMGCS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224071 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTGGATCACTTCCTTTGAATGCAGAAGCTTGTGCGCCAAAAGATGTGGGAATTGTTGCCCTTGAGA
 TCTATTTTCTTCTCAATATGTTGATCAAGCAGAGTTGGAAAAATATGATGGTGTAGATCTGGAAGTA
 TACCATTGGCTTGGGCCAGGCCAAGATGGGCTTCTGCACAGATAGAGAAGATATTAACCTCTCTTTCATG
 ACTGTGGTTTCAAGATCTTATGGAGAGAAATAACCTTCTCTATGATTGCATTGGGCGGCTGGAAGTTGAA
 CAGAGACAATCATCGACAAATCAAAGTCTGTGAAGACTAATTTGATGCAGCTGTTGAAGAGTCTGGAA
 TACAGATATAGAAGGAATCGACACAATAATGCATGCTATGGAGGCACAGCTGCTGTCTTCAATGCTGTT
 AACTGGATTGAGTCCAGCTCTTGGGATGGACGGTATGCCCTGGTAGTTGCAGGAGATATTGCTGTATATG
 CCACAGGAAATGCTAGACCTACAGGTGGAGTTGGAGCAGTAGCTCTGCTAATTGGGCCAAATGCTCCTTT
 AATTTTGAACGAGGGCTTCTGGGACACATATGCAACATGCCATGATTTTTACAAGCCTGATATGCTA
 TCTGAATATCCTATAGTAGATGGAAACTCTCCATACAGTGCTACCTCAGTGCATTAGACCGCTGCTATT
 CTGTCTACTGCAAAAAGATCCATGCCAGTGGCAGAAAGAGGGAATGATAAAGATTTTACCTTGAATGA
 TTTTGGCTTCATGATCTTCACTCACCATATTGTAAGTGGTTCAGAAATCTCTAGCTCGGATGTTGCTG
 AATGACTTCCTTAATGACCAGAAATAGAGATAAAATAGTATCTATAGTGGCTGGAAGCCTTTGGGGATG
 TTAATTAGAAGACACCTACTTTGATAGAGATGTGGAGAAGGCATTTATGAAGGCTAGCTCTGAAGTCTT
 CAGTCAGAAAAACAAGGCATCTTACTTGTATCAAAATCAAATGGAAATATGTACACATCTTCAGTATAT
 GGTTCCCTTGCATCTGTTCTAGCACAGTACTCACCTCAGCAATTAGCAGGGAAGAGAATTGGAGTGTGTT
 CTTATGGTCTGGTTTGGCTGCCACTCTGTACTCTCTTAAAGTACACAAGATGCTACACCGGGTCTGC
 TCTTGATAAAATAACAGCAAGTTTATGTGATCTTAAATCAAGGCTTGATTCAAGAACTGGTGTGGCACC
 GATGTCTTCGCTGAAAAATGAAGCTCAGAGAGGACACCTATCATTGGTCAACTATATTTCCCAGGGTT
 CAATAGATTCACTCTTTGAAGGAACGTGGTACTTAGTTAGGGTGGATGAAAAGCAGAGAAGAACTTACGC
 TCGGCGTCCCACTCCAAATGATGACACTTTGGATGAAGGAGTAGGACTTGTGCATTCAAACATAGCAACT
 GAGCATATTCAGCCCTGCCAAGAAAGTACCAAGACTCCCTGCCACAGCAGCAGAACCTGAAGCAGCTG
 TCATTAGTAATGGGAACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224071 protein sequence
 Red=Cloning site Green=Tags(s)

MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGVDAKTYIGLGQAKMGFCTDREDINSLCM
 TVVQNLMEENLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEESGNTDIEGIDTTNACYGGTAAVFNAV
 NWIESSWDGRYALVAGDIIVYATGNARPTGGVGAVALLIGNAPLIFERGLRGTHMQHAYDFYKPDML
 SEYPIVDGKLSIQCYLSALDRYSVYCKIHAQWQKEGNDKDFTLNDFGFMIFHSPYCKLVQKSLARMLL
 NDFLNDQNRDKNSIYSGLEAFGDVKLEDYFDRDVEKAFMKASSELFSQKTKASLLVSNQNGNMYTSSVY
 GSLASVLAQYSPQQLAGKRIGVFSYSGSLAATLYSLKVTQDATPGSALDKITASLCLDKSRLDSRTGVAP
 DVFAENMKLREDTYHLVNYIPQGSIDSLFEGTWYLVRVDEKHRRTYARRPTPNDDTLDEGVGLVHSNIAT
 EHIPSAPKVPRLPATAAEPEAAVISNGEH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001098272

ORF Size:

1560 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_001098272.1</u>
RefSeq Size:	5450 bp
RefSeq ORF:	1563 bp
Locus ID:	3157
UniProt ID:	<u>Q01581</u>
Cytogenetics:	5p12
MW:	57.3 kDa