

Product datasheet for **RC213688A1V**

Human Glycerol kinase (GK) (NM_000167) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glycerol kinase (GK) (NM_000167) AAV Particle
Tag:	Myc-DDK
Symbol:	Glycerol kinase
Synonyms:	GK1; GKD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213688 representing NM_000167
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGCCTCAAAGAAGGCAGTTTTGGGGCCATTGGTGGGGCGGTGGACCAGGCACCAAGTTCGACGC
 GCTTTTTGGTTTTCAATTCAAAAACAGCTGAACACTTCTAGTCATCATCAAGTAGAAATAAAACAAGAGTT
 CCCAAGAGAAGGATGGGTGGAACAGGACCTTAAGGAAATTCTACATTCTGTCTATGAGTGTATAGAGAAA
 ACATGTGAGAACTTGGACAGCTCAATATTGATATTTCCAACATAAAAGCTATTGGTGTGAGCAACCAGA
 GGGAAACCACTGTAGTCTGGGACAAGATAACTGGAGAGCCTCTCTACAATGCTGTGGTGTGGCTTGATCT
 AAGAACCAGTCTACCGTTGAGAGTCTTAGTAAAAGAATTCCAGGAAATAATAACTTTGTCAAGTCCAAG
 ACAGGCCTTCCACTTAGCACTTACTTCAGTGCAGTGAACTTCGTTGGCTCCTTGACAATGTGAGAAAAG
 TTCAAAGGCCGTTGAAGAAAAACGAGCTCTTTTGGGACTATTGATTCATGGCTATTTGGAGTTTGAC
 AGGAGGAGTCAATGGAGGTGTCCACTGTACAGATGTAACAAATGCAAGTAGGACTATGCTTTTCAACATT
 CATTCTTTGGAATGGGATAAACTCTGCGAATTTTTTGAATTCCAATGGAAATCTTCCAAATGTCC
 GGAGTTCTTCTGAGATCTATGGCCTAATGAAAGCTGGGGCCTTGAAGGTGTGCCAATATCTGGGTGTTT
 AGGGGACCACTGCTGCATTGGTGGGACAAATGTGCTTCCAGATTGGACAAGCCAAAAATACGTATGGA
 ACAGGATGTTTCTTACTATGTAATACAGGCCATAAGTGTGATTTTCTGATCATGGCCTTCTCACCACAG
 TGGCTTACAACTTGGCAGAGACAAACCAAGTATATTGCTTTGGAAGTTCTGTAGCTATAGCTGGTGC
 TGTTATTCGCTGGCTAAGAGACAATCTTGAATTATAAAGACCTCAGAAGAAATTGAAAACTTGCTAAA
 GAAGTAGTACTTCTTATGGCTGCTACTTCGTCAGCAGTTCGAGGTTATATGCACCTTATTGGGAGC
 CCAGCGCAAGAGGATAATCTGTGGACTCACTCAGTTTCACTAATAATGCCATATTGCTTTTGTGCTCATT
 AGAAGCTGTTTGTTCCTCAAACTCGAGAGATTTTGGATGCCATGAATCGAGACTGTGGAATTCCACTCAGT
 CATTTCAGGTAGATGGAGGAATGACCAGCAACAAAATCTTATGCAGCTACAAGCAGACATTCTGTATA
 TACCAGTAGTGAAGCCCTCAATGCCCGAAACCACTGCACTGGGTGCGGCTATGGCGGCAGGGGCTGCAGA
 AGGAGTCGGCGTATGGAGTCTCGAACCAGGAGTTTGTCTGCCGTACAGTGGAGCGGTTTGAACCTCAG
 ATTAATGCGGAGGAAAGTGAATTCTGTTATTCTACATGGAAGAAAGCTGTGATGAAGTCAATGGTTGGG
 TTACAACCTCAATCTCCAGAAAGTGGTATTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAASKKAVLGPLVGAVDQGTSSSTRFLVFNSKTAELLSHHQVEIKQEFPREGWVEQDPKEILHSVYECIEK
 TCEKLGQLNIDISNIKAIGVSNQRETTVVWDKITGEPLYNVAVWDLRTQSTVESLSKRIPGNNNFVSKS
 TGLPLSTYFSAVKLRWLLDNVRKVQKAVEEKRALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNI
 HSLEWDKQLCEFFGIPMEILPNVRSSSEIYGLMKAGALEGVPIISGCLGDQSAALVGQMCQFIQAKNTYG
 TGCFLCNTGHKCVFSDHGLLTTVAYKLGRDKPVYYALEGSVAIAGAVIRWLRDNLGIKTSEEIEKLAK
 EVGTSYGCYFVPAFSGLYAPYWEPSARGIICGLTQFTNKCHIAFAALEAVCFQTREILDAMNRDCGIPLS
 HLQVDGGMTSNKILMQLQADILYIPVVKPSMPETTALGAAMAAGAEVGVWSLEPEDLSAVTMERFEPQ
 INAESEIRYSTWKKAVMKSMGWVTTQSPESGIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000167

ORF Size:

1572 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_000167.3</u>
RefSeq Size:	3573 bp
RefSeq ORF:	1575 bp
Locus ID:	2710
UniProt ID:	<u>P32189</u>
Cytogenetics:	Xp21.2
MW:	57.3 kDa