

Product datasheet for **RC207264A1V**

Human Glycerol kinase (GK) (NM_203391) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glycerol kinase (GK) (NM_203391) 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:

>RC207264 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGCCTCAAAGAAGGCAGTTTGGGGCCATTGGTGGGGCGGTGGACCAGGCACCAAGTTCGACGC
 GCTTTTGGTTTTCAATTCAAAAACAGCTGAACACTTCTAGTCATCATCAAGTAGAAATAAAACAAGAGTT
 CCCAAGAGAAGGATGGGTGGAACAGGACCTAAGGAAATTCTACATTCTGTCTATGAGTGTATAGAGAAA
 ACATGTGAGAACTTGGACAGCTCAAAATTGATATTTCCAACATAAAAGCTATTGGTGTGAGCAACCAGA
 GGGAAACCACTGTAGTCTGGGACAAGATAACTGGAGAGCCTCTCTACAATGCTGTGGTGTGGCTTGATCT
 AAGAACCAGTCTACCGTTGAGAGTCTTAGTAAAAGAATTACAGGAAATAATAACTTTGTCAAGTCCAAG
 ACAGGCCTTCCACTTAGCACTTACTTCAGTGCAGTGAACTTCGTTGGCTCCTTGACAATGTGAGAAAAG
 TTCAAAGGCAGTTGAAGAAAAACGAGCTCTTTTGGGACTATTGATTCATGGCTTATTTGGAGTTTGAC
 AGGAGGAGTCAATGGAGGTGTCCACTGTACAGATGTAACAAATGCAAGTAGGACTATGCTTTTCAACATT
 CATTCTTTGGAATGGGATAAAACAACTCTGCGAATTTTTTGAATTCCAATGGAAATTCCTCCAAATGTCC
 GGAGTTCTTCTGAGATCTATGGCCTAATGAAAATCTCTCATAGCGTGAAAGCTGGGGCCTTGGAAGGTGT
 GCCAATATCTGGGTGTTTAGGGGACCACTCTGCTGCATTGGTGGGACAAATGTGCTTCCAGATTGGACAA
 GCCAAAAATACGTATGGAACAGGATGTTTCTTACTATGTAATACAGGCCATAAGTGTGTATTTCTGATC
 ATGGCCTTCTCACCACAGTGGCTTACAACTTGGCAGAGACAAACCAAGTATATTATGCTTTGGAAGGTTC
 TGTAGCTATAGCTGGTGTGTTATTGCTGGCTAAGAGACAATCTTGAATTATAAGACCTCAGAAGAA
 ATTGAAAACCTTGCTAAAGAAGTAGGTACTTCTTATGGCTGCTACTTCGTCAGCATTTTCGGGGTTAT
 ATGCACCTTATTGGGAGCCAGCGCAAGAGGGATAATCTGTGGACTCACTCAGTTCACCAATAAATGCCA
 TATTGCTTTTGGCTGCATTAGAAGCTGTTGTTTCCAACTCGAGAGATTTGGATGCCATGAATCGAGAC
 TGTGGAATCCACTCAGTCATTTGCAGGTAGATGGAGGAATGACCAGCAACAAAATCTTATGCAGCTAC
 AAGCAGACATTCTGTATATACCAGTAGTGAAGCCCTCAATGCCGAAACCACTGCACTGGGTGCGGCTAT
 GGCGGCAGGGCTGCAGAAGGAGTCGGCGTATGGAGTCTCGAACCAGGATTTGTCTGCCGTCACGATG
 GAGCGGTTTGAACCTCAGATTAATGCGGAGGAAAGTGAATTCGTTATTCTACATGGAAGAAAGCTGTGA
 TGAAGTCAATGGGTTGGGTTACAACCTCAATCTCCAGAAAGTGGTATTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207264 protein sequence
 Red=Cloning site Green=Tags(s)

MAASKKAVLGPLVGAVDQGTSSSTRFLVFNSKTAELLSHHQVEIKQEFPREGWVEQDPKEILHSVYECIEK
 TCEKLGQLKIDISNIKAIGVSNQRETTVVWDKITGEPLYNVAVWDLRTQSTVESLSKRITGNNNFVSKS
 TGLPLSTYFSAVKLRWLLDNVRKVQKAVEEKRALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNI
 HSLEWDKQLCEFFGIPMEILPNVRSSEIYGLMKISHSVKAGALEGVPIISGCLGDQSAALVGQMCQFIGQ
 AKNTYGTGCFLLCNTGHKCVFSDHGLLTVAYKLGRDKPVPYVALEGSVAIAGAVIRWLRDNLGIKTSEE
 IEKLAKEVGTSYGCYFVPAFSGLYAPYWEPSARGIICGLTQFTNKCHIAFAALEAVCFQTREILDAMNRD
 CGIPLSHLQVDGGMSTSNKILMQLQADILYIPVVKPSPETTALGAAMAAGAAEGVGWWSLEPEDLSAVTM
 ERFEPQINAESEIRYSTWKKAVMKSMGWVTTQSPESGIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_203391

ORF Size:

1590 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_203391.1</u> , <u>NP_976325.1</u>
RefSeq Size:	4503 bp
RefSeq ORF:	1593 bp
Locus ID:	2710
UniProt ID:	<u>P32189</u>
Cytogenetics:	Xp21.2
MW:	58.2 kDa