

Product datasheet for **RC225948A1V**

Human Glycerol kinase (GK) (NM_001128127) AAV Particle

Product data:

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



ORF Nucleotide Sequence: >RC225948 representing NM_001128127
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCCTCAAAGAAGGCAGTTTTGGGGCCATTGGTGGGGCGGTGGACCAGGGCACCAGTTCGACGC
 GCTTTTTGGTTTTCAATTCAAAAACAGCTGAACTACTTAGTCATCATCAAGTAGAAATAAAACAAGATT
 CCCAAGAGAAGGATGGGTGGAACAGGACCCTAAGGAAATTCTACATTCTGTCTATGAGTGTATAGAGAAA
 ACATGTGAGAACTTGGACAGCTCAATATTGATATTTCCAACATAAAAGCTATTGGTGTGAGCAACCAGA
 GGGAAACCACTGTAGTCTGGGACAAGATAACTGGAGAGCCTCTCTACAATGCTGTGGTGTGGCTTGATCT
 AAGAACCAGTCTACCGTTGAGAGTCTTAGTAAAAGAATTCCAGGAAATAATAAATTTGTCAAGTCCAAG
 ACAGGCCTTCCACTTAGCACTTACTTCAGTGCAGTGAACTTCGTTGGCTCCTTGACAATGTGAGAAAAG
 TTCAAAGGCCGTTGAAGAAAACGAGCTCTTTTGGGACTATTGATTCATGGCTTATTTGGAGTTTGAC
 AGGAGGAGTCAATGGAGGTGTCCACTGTACAGATGTAACAATGCAAGTAGGACTATGCTTTTCAACATT
 CATTCTTTGGAATGGGATAAACTCTGCGAATTTTTTGGAAATCCAATGGAAATCTTCCAAATGTCC
 GGAGTTCTTCTGAGATCTATGGCCTAATGAAAGCTGGGGCCTTGAAGGTGTGCCAATATCTGGGTGTTT
 AGGGGACCACTCTGCTGCATTGGTGGGACAAATGTGCTTCCAGATTGGACAAGCAAAAAATACGTATGGA
 ACAGGATGTTTCTTACTATGTAATACAGGCCATAAGTGTGTATTTCTGATCATGGCCTTCTCACCACAG
 TGGCTTACAAACTTGGCAGAGACAAACCACTATATTATGCTTTGGAAGGTTCTGTAGCTATAGCTGGTGC
 TGTTATTCTGCTGGCTAAGAGACAATCTTGAATTATAAAGACCTCAGAAGAAATTGAAAACTTGCTAAA
 GAAGTAGGTACTTCTTATGGCTGCTACTTCGTCAGCAGATTTTGGGGTTATATGCACCTTATTTGGGAGC
 CCAGCGCAAGAGGATAATCTGTGGACTCACTCAGTTCACCAATAAATGCCATATTGCTTTTGTGCTGATT
 AGAAGCTGTTTGTTCCTCAAACTCGAGAGATTTTGGATGCCATGAATCGAGACTGTGGAATCCACTCAGT
 CATTTCGAGGTAGATGGAGGAATGACCAGCAACAAAATTCTTATGCAGCTACAAGCAGACATTCTGTATA
 TACCACTAGTGAAGCCCTCAATGCCGAAACCACTGCCTGGTGCGGCTATGGCGGCAGGGGCTGCAGA
 AGGAGTCGGCGTATGGAGTCTCGAACCAGGAGTTTGTCTGCCGTACGATGGAGCGGTTTGAACCTCAG
 ATTAATGCGGAGGAAAGTGAATTCGTTATTCTACATGGAAGAAAGCTGTGATGAAGTCAATGGGTGGG
 TTACAACCTCAATCTCCAGAAAGTGGTGACCCTAGTATCTTCTGTAGTCTGCCCTTGGGCTTTTTTATAGT
 GAGTAGCATGGTAATGTTAATCGGAGCAAGGTACATCTCAGGTATTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225948 representing NM_001128127
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MAASKKAVLGPLVGAVDQGTSSSTRFLVFNSKTAELLSHHQVEIKQEFPPREGWVEQDPKEILHSVYECIEK
 TCEKLGQLNIDISNIKAIGVSNQRETTVVWDKITGEPLYNVAVWDLRTQSTVESLSKRIPGNNNFVSKS
 TGLPLSTYFSAVKLRWLLDNVRKVQKAVEEKRALFGTIDSWLIWSLTGGVNGGVHCTDVTNASRTMLFNI
 HSLEWDKQLCEFFGIPMEILPNVRSSSEIYGLMKAGALEGVPI SGCLGDQSAALVGQMCQFQIGQAKNTYG
 TGCFLLCNTGHKCVFSDHGLLTTVAYKLGRDKPVYYALEGSVAIAGAVIRWLRDNLGIKTSEEIEKLAK
 EVGTSYGCYFVPAFSGLYAPYWEPSARGIICGLTQFTNKCHIAFAALEAVCFQTREILDAMNRDCGIPLS
 HLQVDGGMTSNKMQLQADILYIPVVKPSMPETTALGAAMAAGAAEGVGVWSLEPEDLSAVTMERFEPQ
 INAESEIRYSTWKKAVMKSMGWVTTQSPESGDPSIFCSLPLGFFIVSSMVMLIGARYISGIP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_001128127

ORF Size: 1659 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:	NM_001128127.1 , NP_001121599.1
RefSeq ORF:	1662 bp
Locus ID:	2710
UniProt ID:	P32189
Cytogenetics:	Xp21.2
MW:	60.4 kDa