

Product datasheet for **RC220661A1V**

Human GK2 (NM_033214) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	GK2
Synonyms:	GKP2; GKTA
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC220661 representing NM_033214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCCCCAAAGACAGCAGCTGTGGGCGCTTGGTGGGAGCGGTGGTCCAGGGCACCAACTCCACTC
 GCTTTCTGGTTTTCAATTCAAAAACAGCGAACTACTTAGTCATCACAAGTGGAAATTAACACAAGAGTT
 CCCCCAAGAAGGATGGGTGGAACAAGACCTAAAGAAATCTTCAGTCTGTCTACGAGTGTATAGCGAGA
 ACGTGTGAGAACTTGACGAACTGAATATTGATATATCCAACATAAAAGCTGTTGGTGTGAGCAATCAGA
 GGGAAACCACTGTAACTGGGACAAGTTAACAGGAGAGCCTCTCTACAATGCTGTGGTGTGGCTTGATCT
 AAGAACCAGACTACTGTTGAGGATCTTAGTAAAAAAATTCAGGAAATAGTAACTTCGTCAAGTCTAAG
 ACAGGCCTTCCACTCAGCACTTACTTCAGTGCAGTAAAATTCGTTGGATGCTTGACAATGTGAGAAACG
 TCCAAAGGCTGTTGAAGAAGGTAGAGCTCTTTTGGTACCATTGATTCATGGCTTATCTGGAGTTTGAC
 AGGAGGAGTTAATGGAGCGTGCATTGTACAGATGTAACAATGCAAGTAGGACAATGCTTTTTAATATC
 CATTCTTTGGAATGGGATAAAGAGCTCTGTGACTTTTTTGAATTCCAATGGACCTTCTTCCAAATGTCT
 TCAGTTCTTCTGAGATCTATGGCCTAATTAAGTGGAGCCCTGGAAGGTGTGCCAATATCTGGGTGTTT
 GGGGGACCAATGTGCTGCATTAGTAGGACAAATGTGCTTCCAGGAGGGACAAGCAAAAACACCTATGGA
 ACAGGTTGCTTCTTACTGTGTAATACGGGTCGTAATGTGTGTTTTCTGAACATGGCCTTTTGACCACAG
 TAGCTTACAAACTAGGCAGAGAGAAGCCAGCATATTATGCACTGGAAGGTTCTGTTGCTATAGCAGGTGC
 GTTATTCTGTGGCTAAGAGACAATCTTGAATTATAGAGACCTCAGGAGACATTGAAAGACTTGCTAAA
 GAAGTAGGAACCTTCTATGGCTGTTACTTTGTCCAGCCTTTTCAGGGTTATATGCACCTTATTGGGAGC
 CCAGTGCAAGAGGATACTCTGTGGCCTCACTCAGTTTACCAATAAATGCATATTGCTTTTGCTGCATT
 AGAAGCTGTTTGTTCAAACCCGAGAGATTTTGAAGCCATGAACCGTGAATTCGCTGGAATTCACCTTCGT
 CATTTCGAGGTAGATGGAGGAATGACCAACAACAAAGTTCTTATGCAGCTACAAGCAGATATTCTTCATA
 TTCCAGTAATAAACCCCTTTATGCCTGAACAACCTGCACTAGGAGCTGCCATGGCAGCAGGGGCTGCAGA
 GGGAGTAAGCGTTTGGAGCCTTGAACCCAGGCTTTGTCAGTTCTCAGGATGGAACGATTGAACACAG
 ATCCAGGCCACAGAAAGTGAAATTCGTTATGCCACATGGAAGAAAGCCGTAATGAAGTCAATGGGTGGG
 TTACAGTCAGTCTCCTGAAGGTGGTATCCTTCTATCTTCTAGTCTGCCTTTGGGATTTTTATAGT
 GAGTAGCATGGTAATGCTAATTGGAGCAAGATATATCTCGGGTGTGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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MAAPKTAAVGPLVGAVVQGTNSTRFLVFNSKTAELLSHHKVELTQEFPPKEGWVEQDPKEILQSVYECIAR
 TCEKLDLNLIDISNIKAVGVSNQRETTVIWDLTGEPLYNVAVWDLRTQTTVEDLSKKIPGNSNFVSKS
 TGLPLSTYFSAVKLRLWMLDNVRNVQKAVEEGRALFGTIDSWLIWSLTGGVNGGVHCTDVTNARSMTLFI
 HSLEWDKELCDFEIPMDLLPNVFSSEIYGLIKTGALEGPISGCLGDQCAALVGQMCQFQEGQAKNTYG
 TGCFLLCNTGRKCVFSEHGLLTVAAYKLGREKPAYYALEGSVAIAGAVIRWLRDNLGIIETSGDIERLAK
 EVGTSYGCYFVPAFSGLYAPYWEPSARGILCGLTQFTNKCHIAFAALEAVCFQTREILEAMNRDCGIPLR
 HLQVDGGMNTNNKVLMLQADILHIPVIKPFMPETALGAAMAAGAAEGSVSWSLEPQALSRLMERFEPQ
 IQATESEIRYATWKKAVMKSMGWVTSQSPEGDPISIFSSLPLGFFIVSSMVMLIGARYISGVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human
Serotype: AAV-2
ACCN: NM_033214
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:	<u>NM_033214.2</u>
RefSeq Size:	1899 bp
RefSeq ORF:	1662 bp
Locus ID:	2712
UniProt ID:	<u>Q14410</u>
Cytogenetics:	4q21.21
MW:	61 kDa