

Product datasheet for **RC214230A1V**

Human GCKR (NM_001486) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GCKR (NM_001486) AAV Particle
Tag:	Myc-DDK
Symbol:	GCKR
Synonyms:	FGQTL5; GKRP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC214230 representing NM_001486
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCAGGCACAAAACGGTTTCAACATGTCATTGAGACCCCGAGCCTGGCAAGTGGGAGTTGTCTGGGT
 ACGAGGCAGCTGTGCCAATCACGGAGAAGTCAAACCCACTGACCCAGGATCTAGACAAAGCAGATGCTGA
 GAACATTGTTGACTGCTAGGGCAATGTGATGCTGAGATCTTCCAGGAGGAGGGCAAGCCCTGTCCACA
 TACCAGAGACTCTACAGCGGATCCATTCTGACCACCATGGTACAGGTGGCTGGGAAAGTTCAGGAAGTGC
 TGAAGGAGCCAGATGGGGGGCTGGTTGTGCTGAGTGGAGGGGGCACCTCTGGCCGGATGGCATTCTCAT
 GTCGGTGTCTTTAATCAGCTGATGAAAGGTCTGGGACAGAAACCTCTTACACCTACCTATTGCAGGT
 GGTGACAGGTCTGTGGTGGCCTCTAGGGAGGGGACAGAAGATAGTGCCTTGACGGGATTGAGGAAGTGA
 AGAAGGTGGCTGCCGGAAGAAGAGAGTGATTGTCATTGGCATTCTGTGGGACTCTCTGCTCCCTTTGT
 GGCAGGCCAGATGGACTGCTGCATGAACAACACAGCTGTCTTCTGCCAGTCTGTTGGCTTCAATCCA
 GTGAGCATGGCCAGAAATGACCCCATTAAGACTGGAGTTCAACATTCCGACAAGTAGCAGAGCGGATGC
 AGAAAAATGCAGGAGAAACAGAAAGCTTTTGTGCTCAATCCTGCCATCGGGCCCGAGGGTCTCAGCGGCTC
 CTCCCGGATGAAAGGTGGAAGTGCCACCAAGATTCTGCTGGAACCCCTGTTATTAGCAGCCCATAGACT
 GTGGACCAGGGCATTGCAGCATCTCAAAGATGCCTCCTGGAAATCTTGCGGACATTTGAGCGAGCTCATC
 AGGTGACCTACAGCCAAAGCCCCAAGATTGCCACCCTGATGAAGAGTGTGACGACCATCTGGAGAAGAA
 AGGCCACGTGTACCTGGTTGGCTGGCAGACCCTGGGCATCATTGCCATCATGGATGGAGTAGAGTGCATC
 CACACCTTTGGTGTGATTTCCGAGATGTCCGTGGCTTCTCATTGGTGATCACAGTGACATGTTAACC
 AGAAGGCTGAGCTCACAACAGGGTCCCCAGTTACCTTCTCCAGGAGGACTTCTGACTTCCATCCT
 TCCCTCTCTCAGGAAATCGATACTGTGGTCTTCAATTTTACCCTGGATGACAACCTCACGGAGGTGCAG
 ACTATAGTGGAGCAGGTGAAAGAGAAGACCAACCATCCAGGCCCTGGCACACAGCACCGTGGTGCAG
 CCTTGCCGATCCCTCTGAAGAAGCTCTTCCCTCCATCATCAGCATCACATGGCCACTGCTTTTCTTTGA
 ATATGAAGGGAATTCATCCAGAAGTTCAGCGTGAGCTAAGCACCAATGGGTGCTGAATACAGTGAGT
 ACAGGTGCTCATGTGCTTCTTGGTAAGATCCTACAAAACCATGTTGGACCTTCGGATTAGCAACTCCA
 AGCTCTTCTGGCGGGCGCTGGCCATGCTGCAGCGGTTCTCTGGACAGTCCAAGGCTCGATGCATCGAGAG
 CCTCTCCGAGCGATCCACTTCCCCAGCCACTGTGAGATGATATCGGGCTGCTCCCATCTCTGCCAT
 GTCCAGGTTGCATGAGAAGGAACAGGTGATACCCATCGCCTTGCTGAGCCTCTATTCCGGTGTCTGA
 TCACTGAGGCTCAGGCACACCTGGCTGCAGCTCCTTCTGTCTGTGAGGCTGTGAGGAGTGTCTTGTCTG
 GCCAGGTGAGAAGCGCACTGCGGACCCCTCGAGATCCTAGAGCCTGACGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MPGTRKFQHVIEPTPEPGKWELSGYEAAPITEKSNPLTQDLDKADAENIVRLLGQCDAEIFQEEGQALST
 YQRLYSGSILTTMVQVAGKVQEVLKEPDGGLVVLGGGTSGRMAFLMSVSFNQLMKGLGQKPLYTYLIAG
 GDRSVVASREGTEDSALHGIEELKKVAAGKKRVIVIGISVGLSAPFVAGQMDCCMNNTAVFLPVLVGFNP
 VSMARNDPIEDWSSTFRQVAERMQKMQEKQAFVLNPAIGPEGLSGSSRMKGGSATKILLETLLAAHKT
 VDQGIASQRCLEILRTFERAHQVTYSQSPKIATLMKSVSTSLEKKGHVYLVGWQTLGIIAIMDGVETI
 HTFGADFRDVRGFLIGDHSDFNQKAEELTNQGPQFTFSQEDFLTSILPSLTEIDTVVFIITLDDNLTEVQ
 TIVEQVKEKTNHIALAHSTVGQTLPIPLKKLFPSSIISITWPLFFFEYEGNFIQKFQRELSTKWLNTVS
 TGAHVLLGKILQNHMLDLRISNSKLFWRALAMLQRFSGQSKARCIESLLRAIHFPQLSDDIRAAPISCH
 VQVAHEKEQVIPIALLSLLFRCSITEAQAHLAAPSVCEAVRSALAGPGQKRTADPLEILEPDVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001486
ORF Size:	1875 bp
Buffer:	PBS with 0.001% Pluronic F7174
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_001486.2</u>
RefSeq Size:	2197 bp
RefSeq ORF:	1878 bp
Locus ID:	2646
UniProt ID:	<u>Q14397</u>
Cytogenetics:	2p23.3
MW:	69.1 kDa