

Product datasheet for **RC214569A1V**

Human GRK1 (NM_002929) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GRK1 (NM_002929) AAV Particle
Tag:	Myc-DDK
Symbol:	GRK1
Synonyms:	GPRK1; RHOK; RK
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC214569 representing NM_002929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTCGGGTCTTTGGAGACCGTGGTGGCCAACCTCTGCCTTCATCGCCGCCGAGGCAGCTTTGACG
 GCAGCAGCTCCCAACCTCCCGGACAAGAAGTACCTGGCCAAGCTCAAGCTGCCCCGCTGTCCAAGTG
 TGAGTCCCTCCGCGACAGCCTCAGCCTGGAGTTTGGAGTGTGTGCTTGGAGCAGCCATCGGCAAGAAG
 CTCTTTTTCAGCAGTTCTACAATCGGCAGAGAAGCACCTGCCGGCCCTGGAGCTCTGAAAAGACATCGAGG
 ACTATGACACGGCAGACAATGACCTCCAGCCACAGAAGGCCAGACCATCTGGCCAGTACCTGGACCC
 CCAGGCCAAACTCTTCTGCAGCTTCTGGATGAGGGGATAGTGGCGAAGTTTAAAGGAGGGCCTGTGGAG
 ATCCAGGACGGGCTTCCAGCCCTGCTGCAGGCCACCTGGCACACCTGGGCCAAGCCCCCTCCAGG
 AGTACCTGGGCAGCCTGACTTCTGAGTTCTGCAGTGAAGTGGTGAAGCCAGCCCATGGGGGA
 GGACTGGTTCTGGACTTCAGGGTCTGGGAAAGGGGCTTCGGGGAGGTGTGGCCTGCCAGATGAAG
 GCGACCCGCAAGCTGTATGCCTCAAGAAGCTGAACAAGAAGCGCTGAAGAAGAGGAAGGGCTACCAGG
 GTGCTATGGTGGAGAAGAAGATTCTGATGAAAGTACACAGCAGTTTCATCGTGTCTCTGGCCATGCGTT
 TGAAACCAAAGCCGACCTCTGTCTGGTATGACCATCATGAACGGAGGTGACATCAGGTACCACATCTAC
 AACGTGAATGAGGAGAACCCTGGCTTCCCGGAGCCGCGCCCTTCTACACGGCGCAGATCATCTGCG
 GCCTGGAGCACCTGCACCAGAGGCGGATCGTCTACCGCAGCTCAAGCCCGAGAAGTGTGTGGACAA
 TGACGGCAATGTCGGATCTCTGACCTTGGGCTGGCCGTGGAGCTGTGGACGGACAGAGCAAGACCAAG
 GGCTACGACGGACCCAGGTTTCATGGCCCCGAGCTCTGCAGGGCAGGAGTACGACTTCTCCGTGG
 ACTACTTTGCCCTGGGGTACCCTGTATGAGATGATTGCGCCAGAGGACCCTTCCGACCCGCGAGA
 GAAGGTGGAGAACAAGGAGCTGAAGCACCGGATCATCTCAGAGCCGTGAAGTACCCTGATAAGTTCAGC
 CAGGCCAGCAAGGACTTCTGCGAGGCGTGTGGAGAAGGACCCGGAGAAGCGCCTGGGGTTTCAGAGATG
 AGACCTGCGACAAGCTCCGTGCCACCCCTCTTCAAGGACCTTAACTGGAGGCAGCTGGAGGCTGGGAT
 GCTGATGCCCCCTTTCATCCCAGACTCCAAAAGTCTACGCAAAGGATATTCAGGACGTGGGTGCCCTT
 TCCACCGTCAAAGGTGTGGCCTTTGACAAAACAGACACAGAATCTTTCAGGAATTTGCCACTGGCACT
 GCCCATCCCCTGGCAGGAGGATGATCGAGACGGGCATCTTGGCGAGCTGAACGTGTGGCGCTCGGA
 CGGTGAGTCCCGGACGACATGAAGGGCATCTCCGGGGCTCCAGCTCCTCGTCCAAGTCAGGGATGTGT
 CTGGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MDFGSLETVVANSAFIAARGSFDSGSSQPSRDKKYLAKLKLPLPSKCESLRDLSLEFESVLCLEQPIGKK
 LFQQFLQSAEKHLPALWLDIEDYDTADNDLQPQKAQTILAQYLDPAKLFCSFLDEGIVAKFKEGPVE
 IQDGLFQPLLQATLAHLGQAPFQYELGSLYFLRFLQWKWLEAQPMGEDWFLDFRVLGKGGFGEVSACQMK
 ATGKLYACKKLNKRLKRRKGYQGAMVEKILMKVHSRFLVSLAYAFETKADLCLVMTIMNGGDIRYHIY
 NVNEENPGFPEPRALFYTAQIIICGLEHLHQRRIVYRDLKPENLNDNDGNVRLDGLAVELLDGQSKTK
 GYAGTGPFMAPELLQGEEDYFSDYFALGVTLYEMIAARGPFRARGEKVENKELKHRIISEPVKYDPKFS
 QASKDFCEALLEKDPEKRLGFRDETCDKLRAHPLFKDLNWRQLEAGMLMPPFIPDSKTVYAKDIQDVGAF
 STVKGVAFDKTDTEFFQEFATGNCPWPQEEIETGIFGELNVWRSDDGQMPDDMKGISGGSSSSSKSGMC
 LVS*

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_002929
ORF Size:	1689 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_002929.2</u> , <u>NP_002920.1</u>
RefSeq Size:	2100 bp
RefSeq ORF:	1692 bp
Locus ID:	6011
UniProt ID:	<u>Q15835</u>
Cytogenetics:	13q34
MW:	63.3 kDa