

Product datasheet for **RC215449A1V**

Human RYK (NM_001005861) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human RYK (NM_001005861) AAV Particle
Tag:	Myc-DDK
Symbol:	RYK
Synonyms:	D3S3195; JTK5; JTK5A; RYK1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215449 representing NM_001005861
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTGGGGCGGCGCGCTGGGGCGGCCGGGCGGAGTTGCCTCCCGGGGGCCCGCGGCTGAGGGCCC
 CGCCGCCGCCGCGCTGCTGCTTCTGCTTGCCTGTTGCCGCTGCTGCCCGCGCTGGCGCTGCCGCCGC
 CCCC GCCCGCGGCCCGGAGCTGCAGTCGGCTTCCGCGGGGCCAGCGTGAGTCTCTACCTGAGCGAG
 GACGAGGTGCGCCGGCTGATCGGTCTTGATGCAGAACTTTATTATGTGAGAAATGACCTTATTAGTCACT
 ACGCTCTATCCTTTAGTCTGTTAGTACCCAGTGAGACAAATTTCTGCACTTCACCTGGCATGCGAAGTC
 CAAGGTTGAATATAAGCTGGGATTCCAAGTGGACAATGTTTTGGCAATGGATATGCCCCAGGTCAACATT
 TCTGTTACGGGGGAAGTTCACGCACCTTATCAGTGTTTCGGGTAGAGCTTTCCTGTACTGGCAAAGTAG
 ATTCTGAAGTTATGATACTAATGCAGCTCAACTTGACAGTAAATCTTCAAAAAATTTACCGTCTTAAA
 TTTTAAACGAAGGAAAATGTGCTACAAAAAATGAAGAAGTAAAAATTCAGCCTTGGACAAAAACACT
 AGCAGAACTATTATGATCCTGTACATGCAGCTCCAACCACTTCTACGCGTGTGTTTTATATTAGTGTAG
 GGGTTTGTGTGCAGTAATATTTCTCGTAGCAATAATATTAGTGTGTTTGACACCTTCATAGTATGAAAAG
 GATTGAACTGGATGACAGCATTAGTGCCAGCAGTAGTCCCAAGGGCTGTCTCAGCCATCCACCCAGACG
 ACTCAGTATCTGAGAGCAGACACGCCCAACAATGCAACTCCTATCACCAGCTCCTTAGGTTATCTACCT
 TGCGGATAGAGAAGAAGCACTTGAGAAGTGCTACTCTTTGGAGGCCAAAGGCAAGGTGAAGGATATAGC
 AATATCCAGAGAGAGGATAACTCTAAAAGATGTACTCCAAGAAGTACTTTTGGCGTATTTCCATGGG
 ATTTTAATAGATGAAAAAGATCCAAATAAGAAAAACAAGCATTGTCAAAACAGTTAAAGATCAAGCTT
 CTGAAATTCAGGTGACAATGATGCTCACTGAAAGTTGTAAGCTGCGAGGTCTTCATCACAGAAATCTTCT
 TCCTATTACTCATGTGTATAGAAAGAAGGAGAAAAAGCCCATGGTGATATTGCCTTACATGAATTGGGGG
 AATCTTAAATTGTTTTACGACAGTGCAAGTTAGTAGAGGCCAATAATCCACAGGCAATTTCTCAGCAAG
 ACCTGGTACACATGGCTATTAGATTGCTGTGGAATGAGCTACCTGGCCAGAAGGGAAGTCATCCACAA
 AGACCTGGCTGCCAGGAAGTGTGTCATTGATGACACACTTCAAGTTAAGATCACAGACAAATGCCCTCTCC
 AGAGACTTGTCCCATGGACTATCACTGTCTGGGGACAATGAAACAGGCCAGTTCGTTGGATGGCTC
 TTGAAAGTCTGGTTAATAACGAGTCTCTAGCGCTAGTGATGTGTGGGCTTTGGAGTGACGCTGTGGGA
 ACTCATGACTCTGGCCAGACTCCCTACGTGGACATTGACCCCTTCGAGATGGCCGCATACCTGAAAGAT
 GGTACCGAATAGCCAGCCAATCAACTGTCCTGATGAATTATTTGCTGTGATGGCTGTGCTGGGCT
 TAGATCCAGAGGAGAGGCCCAAGTTTCAGCAGCTGGTACAGTGCCTAACAGAGTTTCATGCAGCCCTGGG
 GGCCTACGTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MRGAARLGRPGRSCLPGARGLRAPPPPLLLLLALLPLLPAPGAAAAPAPRPPELQSASAGPSVSLYLSE
 DEVRRLLIGLDAELYYVRNDLISHYALSFSLVPSETNFLHFTWHAISKVEYKLGQVDNVLAMDMPQVNI
 SVQGEVPRTL SVFRVELSCTGKVDSEVMILMQLNLTVNSSKNFTVLNFKRRKMCYKKEEVKTSALDKNT
 SRTIYDPVHAAPTSTRVFYISVGVCCAVIFLVAIILAVLHLHSMKRIELDDISASSSSQGLSQPSTQT
 TQYLRADTPNNATPITSSLYPTLRIEKNDLRVLTLEAKGKVKDIAISRERITLKDVLQEGTFGRIFHG
 ILIDEKDPNKEKQAFVKTVKDQASEIQVTMMLTESCKLRGLHHRNLLPITHVCIEEGEKPVMILPYMNWG
 NLKLFLRQCKLVEANNPQAISQQDLVHMAIQIACGMSYLARREVIHKDLAARNCVIDDTLQVKITDNALS
 RDLFPMDYHCLGDNENRPVRWMALESLVNNEFSSASDVWAFGVTLWELMTLGQTPYVDIDPFEMAAYLKD
 GYRIAQPINCPDELFAVMACCCWALDPEERPKFQQLVQCLTEFHAALGAYY*

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001005861
ORF Size:	1830 bp
Buffer:	PBS with 0.001% Pluronic F7384
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_001005861.1, NP_001005861.1</u>
RefSeq Size:	2960 bp
RefSeq ORF:	1833 bp
Locus ID:	6259
UniProt ID:	<u>P34925</u>
Cytogenetics:	3q22.2
MW:	67.9 kDa