

Product datasheet for **RC204758A1V**

Human PCK1 (NM_002591) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PCK1 (NM_002591) AAV Particle
Tag:	Myc-DDK
Symbol:	PCK1
Synonyms:	PCKDC; PEPCK-C; PEPCK1; PEPCKC
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204758 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCTCCTCAGCTGCAAAACGGCCTGAACCTCTCGGCCAAAGTTGTCCAGGGAAGCCTGGACAGCCTGC
 CCCAGGCAGTGAGGGAGTTTCTCGAGAATAACGCTGAGCTGTGTACGCTGATCACCACATCTGTGA
 CGGCTCTGAGGAGGAGAATGGCGGCTTCTGGCCAGATGGAGGAAGAGGGCATCCTCAGGCGGCTGAAG
 AAGTATGACAACTGCTGGTTGGCTCTCACTGACCCAGGGATGTGGCCAGGATCGAAAGCAAGACGGTTA
 TCGTACCCCAAGAGCAAGAGACACAGTGCCCATCCCCAAACAGGCCTCAGCCAGCTCGGTGCTGGAT
 GTCAGAGGAGGATTTTGAGAAAGCGTTCAATGCCAGTTCCAGGGTGCATGAAAGTTCGACCATGTAC
 GTCATCCCATTCAGCATGGGGCCGCTGGGCTCACCTCTGTGGAAGATCGGCATCAGCTGACGGATTGCG
 CCTACGTGGTGGCCAGCATGCGGATCATGACGCGGATGGGCACGCCCGTCTGGAAGCACTGGGCGATGG
 GGAGTTTGTCAAATGCCTCCATTCTGTGGGGTGCCTCTGCCTTTACAAAAGCCTTTGGTCAACAACTGG
 CCCTGCAACCCGAGCTGACGCTCATCGCCACCTGCCTGACCGCAGAGAGATCATCTCCTTTGGCAGTG
 GGTACGGCGGGAACCTCGCTGCTCGGGAAGAAGTCTTTGCTCTCAGGATGGCCAGCCGGCTGGCCAAAGGA
 GGAAGGGTGGCTGGCAGAGCACATGCTGGTTCTGGGTATAACCAACCCTGAGGGTGAAGAAGTACCTG
 GCGGCCGATTTCCAGCGCCTGCGGGAAGACCAACCTGGCCATGATGAACCCAGCCTCCCCGGGTGGA
 AGGTTGAGTGCGTCGGGATGACATTGCCTGGATGAAGTTTACGCACAAGGTCATTTAAGGGCCATCAA
 CCCAGAAAATGGCTTTTTCGGTGTGCTCCTGGGACTTCAGTGAAGACCAACCCCAATGCCATCAAGACC
 ATCCAGAAGAACAATCTTTACCAATGTGGCCGAGACCAGCGACGGGGCGTTTACTGGGAAGGCATTG
 ATGAGCCGCTAGCTTCAGGTGTACCATCACGTCTGGAAGAATAAGGAGTGGAGCTCAGAGGATGGGGA
 ACCTTTGTGCCACCCCAACTCGAGGTTCTGCACCCCTGCCAGCCAGTGCCCATCATTTGATGCTGCCTGG
 GAGTCTCCGGAAGGTGTTCCATTGAAGGCATTATCTTTGAGGCGGTAGACCTGCTGGTGTCCCTCTAG
 TCTATGAAGCTCTCAGCTGGCAACATGGAGTCTTTGTGGGGCGGCCATGAGATCAGAGGCCACAGCGGC
 TGCAGAACATAAAGGCAAAATCATCATGATGACCCCTTTGCCATGCGGCCCTTCTTTGGCTACAATTC
 GGCAAAATACCTGGCCACTGGCTTAGCATGGCCAGCAGCCAGCAGCAAACTGCCCAAGATCTTCCATG
 TCAACTGGTTCCGGAAGGACAAGGAAGGCAAAATTCCTCTGGCCAGGCTTTGGAGAGAATCCAGGGTGT
 GGAGTGGATGTTCAACCGGATCGATGGAAGGCCAGCACCAAGCTCACGCCCATAGGCTACATCCCCAAG
 GAGGATGCCCTGAACCTGAAAGGCTGGGGCACATCAACATGATGGAGCTTTTACAGCATCTCAAGGAAT
 TCTGGGAGAAGGAGGTGAAGACATCGAGAAGTATCTGGAGGATCAAGTCAATGCCGACCTCCCTGTGA
 AATCGAGAGAGATCCTTGCCTTGAAGCAAAGAATAAGCCAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204758 protein sequence
 Red=Cloning site Green=Tags(s)

MPPQLQNLNLSAKVVQGSLSLDPQAVREFLENNALCQPDHIHICDGSEEENGRLLGQMEEEGILRRLK
 KYDNCWLALTDPRDVARESKTVIVTQEQRDTPVPIPKTGLSQLGRWMSEEDFEKAFNARFPGCMKGRMTY
 VIPFSMGPLGSPLSKIGIELTDSPPYVVASMRIMTRMGTPVLEALGDGEFVKCLHSVGCPLPLQKPLVNNW
 PCNPETLIAHLPDRREIISFGSGYGGNSLLGKKCFALRMASRLAKEEGLAEHMLVLGITNPEGEKKYL
 AAAPFSACGKTNLAMNPSLPGWKVECVGDDIAWMKFDAQGHLRAINPENGFFGVAPGTSVKTNPNAIKT
 IQKNITFTNVAETSDGGVYWEIDEPLASGVTITSWKNKEWSSDGEPCAHPSNRFCTPASQCPIDAADW
 ESPEGVPIEGIIIFGRRPAGVPLVYEALSWQHGVFVGAAMRSEATAAAEHKGKIIIMHDPFAMRPFPGYNF
 GKYLALHLSMAQHPAAKLPKIFHVNWFVKDEKGFLLWPGFGENSRVLEWMFNRIDGKASTKLTPIGYIPK
 EDALNLKGLGHINMELFSISKEFWEKEVEDIEKYLEQVNADLPCEIEREILALKQRISQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002591
ORF Size:	1866 bp
Buffer:	PBS with 0.001% Pluronic F5599
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_002591.2</u>
RefSeq Size:	2692 bp
RefSeq ORF:	1869 bp
Locus ID:	5105
UniProt ID:	<u>P35558</u>
Cytogenetics:	20q13.31
MW:	69.2 kDa