

Product datasheet for **RC204694A1V**

Human PAH (NM_000277) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PAH (NM_000277) AAV Particle
Tag:	Myc-DDK
Symbol:	PAH
Synonyms:	PH; PKU; PKU1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204694 representing NM_000277
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCACTGCGGTCCTGGAAAACCCAGGCTTGGGCAGGAACTCTCTGACTTTGGACAGGAAACAAGCT
 ATATTGAAGACAACCTGCAATCAAAATGGTGCCATATCGCTGATCTTCTCACTCAAAGAAGAAGTTGGTGC
 ATTGGCCAAAGTATTGCGCTTATTTGAGGAGAATGATGTAACCTGACCCACATTGAATCTAGACCTTCT
 CGTTTAAAGAAAGATGAGTATGAATTTTACCCATTTGGATAAACGTAGCCTGCCTGCTCTGACAAACA
 TCATCAAGATCTTGAGGCATGACATTGGTGCCACTGTCCATGAGCTTTCACGAGATAAGAAGAAAGACAC
 AGTGCCCTGGTCCCAAGAACCATTCAAGAGCTGGACAGATTTGCCAATCAGATTCTCAGCTATGGAGCG
 GAACTGGATGCTGACCACCTGGTTTTAAAGATCCTGTGTACCGTGAAGACGGAAGCAGTTTGCTGACA
 TTGCCTACAACCTACGCCATGGCAGCCATCCCTCGAGTGAATACATGGAGGAAGGAAAGAAAACATG
 GGGCACAGTGTCAAGACTCTGAAGTCTTGTATAAAACCCATGCTTGCTATGAGTACAATCACATTTTT
 CCACCTTTGAAAAGTACTGTGGCTTCCATGAAGATAACATCCCCAGCTGGAAGACGTTTCTCAGTTCC
 TGCAGACTTGCCTGGTTCCGCTCCGACCTGTGGCTGGCTGCTTTCCTCTCGGGATTCTTGGGTGG
 CCTGGCCTCCGAGTCTTCCACTGCACACAGTACATCAGACATGGATCCAAGCCCATGTATACCCCGAA
 CCTGACATCTGCCATGAGCTGTTGGGACATGTGCCCTTGTTCAGATCGCAGCTTTGCCAGTTTTCC
 AGGAAATTGGCCTTGCCTCTCTGGGTGCACCTGATGAATACATTGAAAAGCTCGCCACAATTTACTGGTT
 TACTGTGGAGTTGGGCTCTGCAAACAAGGAGACTCCATAAAGGCATATGGTGTGGGCTCCTGTCATCC
 TTTGGTGAATTACAGTACTGCTTATCAGAGAAGCCAAAGCTTCTCCCTGGAGCTGGAGAAGACAGCCA
 TCCAAAATTACACTGTACGGAGTTCAGCCCCCTATTACGTGGCAGAGAGTTTTAATGATGCCAAGGA
 GAAAGTAAGGAACCTTGCTGCCACAATACCTCGGCCCTTCTCAGTTCGCTACGACCCATACACCCAAAGG
 ATTGAGGTCTTGACAATACCCAGCAGCTTAAGATTTGGCTGATTCCATTAACAGTGAATTGGAATCC
 TTTGAGTGCCTCCAGAAAATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204694 protein sequence
 Red=Cloning site Green=Tags(s)

MSTAVLENPGLGRKLSDFGQETSIEDNCNQNGAISLIFSLKEEVGALAKVLRRLFEEENDVNLTHIESRPS
 RLKKDEYEFFTHLDRSLPALTNIKILRHDIGATVHELSDKDKKDTVPWFPRTIQELDRFANQILSYGA
 ELDADHPGFKDPVYRARRKQFADIAYNYRHGQPIPRVEYMEEGKKTWGTVFKTLKSLYKTHACYEYNHIF
 PLLEKYCGFHEDNIPQLEDVVSQFLQTCTGFRLRPVAGLLSSRDFLGGLAFRVFHCTQYIRHGSKPMYTP
 PDICHELLGHVPLFSDRSFAQFSQEIGLASLGAPDEYIEKLATIWFTVEFGLCKQGDSIKAYGAGLLSS
 FGELQYCLSEKPKLLPLELEKTAIQNYTVTEFQPLYYVAESFNDAKEKVRNFAATIPRPFVRYDPYTOR
 IEVLDNTQQLKILADSINSEIGILCSALQKIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000277

ORF Size:

1356 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_000277.1</u> , <u>NP_000268.1</u>
RefSeq Size:	2680 bp
RefSeq ORF:	1359 bp
Locus ID:	5053
UniProt ID:	<u>P00439</u>
Cytogenetics:	12q23.2
MW:	51.8 kDa