

Product datasheet for **RC207779A1V**

Human P4HA2 (NM_001017973) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human P4HA2 (NM_001017973) AAV Particle
Tag:	Myc-DDK
Symbol:	P4HA2
Synonyms:	MYP25
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC207779 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACTCTGGGTGTCTGCATTGCTGATGGCCTGGTTTGGTGTCTGAGCTGTGTGCAGGCCGAATTCT
 TCACCTCTATTGGGCACATGACTGACCTGATTTATGCAGAGAAAAGAGCTGGTGCAGTCTCTGAAAGAGTA
 CATCCTTGTGGAGGAAGCCAAGCTTTCCAAGATTAAGAGCTGGGCCAACAAAATGGAAGCCTTGACTAGC
 AAGTCAGCTGCTGATGCTGAGGGCTACCTGGCTCACCTGTGAATGCCTACAACTGGTGAAGCGGCTAA
 ACACAGACTGGCTGCGCTGGAGGACCTTGCTGCAGGACTCAGCTGCAGGTTTTATCGCCAACCTCTC
 TGTGCAGCGGCAGTTCTTCCCACTGATGAGGACGAGATAGGAGCTGCCAAAGCCCTGATGAGACTTCAG
 GACACATACAGGCTGGACCCAGGCACAATTTCCAGAGGGGAACCTCCAGGAACCAAGTACCAGGCAATGC
 TGAGTGTGGATGACTGCTTTGGGATGGCCGCTCGGCCTACAATGAAGGGGACTATTATCATACGGTGTT
 GTGGATGGAGCAGGTGCTAAAGCAGCTTGATGCCGGGGAGGAGGCCACCACAACCAAGTACAGGTGCTG
 GACTACCTCAGCTATGCTGTCTTCCAGTTGGGTGATCTGCACCGTGCCCTGGAGCTCACCGCCGCTGC
 TCTCCCTTGACCAAGCCACGAACGAGCTGGAGGGAATCTGCGGTACTTTGAGCAGTTATTGGAGGAAGA
 GAGAGAAAAACGTTAAACAAATCAGACAGAAGCTGAGCTAGCAACCCAGAAGGCATCTATGAGAGGCT
 GTGGACTACCTGCCTGAGAGGGATGTTTACGAGAGCCTCTGTCGTGGGGAGGGTGTCAAACCTGACACCC
 GTAGACAGAAGAGGCTTTTCTGTAGGTACCACCATGGCAACAGGGCCCCACAGCTGCTCATTGCCCCCTT
 CAAAGAGGAGGACGAGTGGGACAGCCCGCACATCGTCAGGTAACGATGTCATGTCTGATGAGGAAATC
 GAGAGGATCAAGGAGATCGCAAAACCTAACTTGACAGGACCACCGTTCTGTATCCCAAGACAGGAGTCC
 TCACTGTGCCAGCTACCGGTTTCCAAAGCTCTGGCTAGAGGAAGATGATGACCTGTTGTGGCCCG
 AGTAAATCGTCGGATGCAGCATATCACAGGGTTAACAGTAAAGACTGCAGAATTGTTACAGGTTGCAAT
 TATGGAGTGGGAGGACAGTATGAACCGCACTTCGACTTCTTAGCGGACCTTTTGACAGCGGCCTCAAAA
 CAGAGGGGAATAGGTTAGCGACGTTTCTTAACATGAGTGATGTAGAAGCTGGTGGTCCACCGTCTT
 CCCTGATCTGGGGCTGCAATTTGGCCTAAGAAGGGTACAGCTGTGTTCTGGTACAACCTCTTGGGAGC
 GGGGAAGGTGACTACCGAACAAGACATGCTGCCTGCCCTGTGCTTGTGGGCTGCAAGTGGGTCTCAATA
 AGTGGTCCATGAACGAGGACAGGAGTCTTGAGACCTTGTGGATCAACAGAAGTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207779 protein sequence
 Red=Cloning site Green=Tags(s)

MKLWVSALLMAWFGVLSCVQAEFFTSIGHMTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKMEALTS
 KSAADAEGYL AHPVNAYKL VKRLNTDWPALDLVLQDSAAGFIANLSVQRQFFPTDEDEIGAALKMRLQ
 DTYRLDPGTISRGLPGTKYQAML SVDDCFGMGRSAYNEG DYHTVLWMEQVLKQLDAGEEATTTKSQVL
 DYLSYAVFQLGDLHRALELTRRLSLDPSHERAGGNLRYFEQLLEEEREKLT LNQTEAELATPEGIYERP
 VDYLPERDVYESLCRGEVGLTPRRQKRLF CRYHHGNRAPQLLIAPFKEEDEWDSPHIVRYDVMSDEEI
 ERIKEIAKPKLARATVRDPKTVLTVASYRVSKSSWLEEDDPVVARVNRRMQHITGLTVKTAELLQVAN
 YGVGGQYEPHFD FSRPFDSGLKTEGNRLATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWYNLLRS
 GEGDYRTRHAACPVLVGCKWVSNKWFHERGQEF LRPCGST EVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001017973

ORF Size:

1599 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_001017973.1, NP_001017973.1</u>
RefSeq Size:	2582 bp
RefSeq ORF:	1602 bp
Locus ID:	8974
UniProt ID:	<u>O15460</u>
Cytogenetics:	5q31.1
MW:	60.6 kDa