

Product datasheet for **RC224588A1V**

Human P4HA2 (NM_001017974) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human P4HA2 (NM_001017974) 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:**

>RC224588 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

 ATGAAACTCTGGGTGTCTGCATTGCTGATGGCCTGGTTTGGTGTCTGAGCTGTGTGCAGGCCGAATTCT
TCACCTCTATTGGGCACATGACTGACCTGATTTATGCAGAGAAAAGAGCTGGTGCAGTCTCTGAAAGAGTA
CATCCTTGTGGAGGAAGCAAGCTTTCCAAGATTAAGAGCTGGGCCAACAAAATGGAAGCCTTGACTAGC
AAGTCAGCTGCTGATGCTGAGGGCTACCTGGCTCACCTGTGAATGCCTACAACTGGTGAAGCGGCTAA
ACACAGACTGGCTGCGCTGGAGGACCTTGCTGCAGGACTCAGCTGCAGGTTTTATCGCCAACCTCTC
TGTGCAGCGGCAGTTCTTCCCACTGATGAGGACGAGATAGGAGCTGCCAAAGCCCTGATGAGACTTCAG
GACACATACAGGCTGGACCCAGGCACAATTTCCAGAGGGGAACCTCCAGGAACCAAGTACCAGGCAATGC
TGAGTGTGGATGACTGCTTTGGGATGGCCGCTCGGCCTACAATGAAGGGGACTATTATCATACGGTGTT
GTGGATGGAGCAGGTGCTAAAGCAGCTTGATGCCGGGGAGGAGGCCACCACAACCAAGTACAGGTGCTG
GACTACCTCAGCTATGCTGTCTTCCAGTTGGGTGATCTGCACCGTGCCCTGGAGCTCACC CGCCGCTGC
TCTCCCTTGACCAAGCCACGAACGAGCTGGAGGGAATCTGCGGTACTTTGAGCAGTTATTGGAGGAAGA
GAGAGAAAAACGTTAACTAAATCAGACAGAAGCTGAGCTAGCAACCCAGAAGGCATCTATGAGAGGCCT
GTGGACTACCTGCCTGAGAGGGATGTTTACGAGAGCCTCTGTCGTGGGGAGGGTGTCAAACCTGACACCCC
GTAGACAGAAGAGGCTTTTCTGTAGGTACCACCATGGCAACAGGGCCCCACAGCTGCTCATTGCCCCCTT
CAAAGAGGAGGACGAGTGGGACAGCCCGCACATCGTCAGGTAACGATGTCATGTCTGATGAGGAAATC
GAGAGGATCAAGGAGATCGCAAAACCTAACTTGACAGGACCCAGCTTCGTGATCCCAAGACAGGAGTCC
TCACTGTGCCAGCTACCGGTTTCCAAAAGCTCTGGCTAGAGGAAGATGATGACCTGTTGTGGCCCG
AGTAAATCGTCCGATGCAGCATATCACAGGGTTAACAGTAAAGACTGCAGAATTGTTACAGGTTGCAAT
TATGGAGTGGGAGGACAGTATGAACCGCACTTCGACTTCTCTAGGCGACCTTTTGACAGCGGCCTCAAAA
CAGAGGGGAATAGGTTAGCGACGTTTCTTAACATAGTGTAGTAGAGCTGGTGGTGGCACCCTCTT
CCCTGATCTGGGGCTGCAATTTGGCCTAAGAAGGGTACAGCTGTGTTCTGGTACAACCTCTTGGCGAGC
GGGGAAGGTGACTACCGAACAAGACATGCTGCCTGCCCTGTGCTTGTGGGCTGCAAGTGGGTCTCCAATA
AGTGGTCCATGAACGAGGACAGGAGTCTTGAGACCTTGTGGATCAACAGAAGTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224588 protein sequence

Red=Cloning site Green=Tags(s)

 MKLWVSALLMAWFGVLSCVQAEFFTSIGHMTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKMEALTS
KSAADAEGYL AHPVNAYKL VKRLNTDWPALDVLQD SAAGFIANLSVQRQFFPTDEDEIGA AKALMRLQ
DYLRLPGTISR GELPGTKYQAML SVDDCFGMGRSAYNEG DYHTVLWMEQVLKQLDAGEEATTTKSQVL
DYLSYAVFQLGDLHRALELTRRLSLDPSHERAGGNLRYFEQLLEEEREKLT LNQTEAELATPEGIYERP
VDYLPERDVYESLCRGEVGLTPRRQKRLF CRYHHGNRAPQLLIAPFKEEDEWDSPHIVRYVDVMSDEEI
ERIKEIAKPKLARATVRDPKTGVLTVASYRVSKSSWLEEDDPVVARVNRRMQHITGLTVKTAELLQVAN
YGVGGQYEPHFD FSRPFDSGLKTEGNRLATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWYNLLRS
GEGDYRTRHAACPVLVGCKWVSNKWFHERGQEF LRPCGSTEV D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001017974

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_001017974.1</u>
RefSeq Size:	2110 bp
RefSeq ORF:	1602 bp
Locus ID:	8974
UniProt ID:	<u>O15460</u>
Cytogenetics:	5q31.1
MW:	60.6 kDa