

## Product datasheet for **RC227700A1V**

### Human P4HA2 (NM\_001142598) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human P4HA2 (NM_001142598) 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:**

>RC227700 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTGACCTGATTTATGCAGAGAAAGAGCTGGTGCAGTCTCTGAAAGAGTACATCCTTGTGGAGGAAG  
 CCAAGCTTTCCAAGATTAAGAGCTGGGCCAACAAAATGGAAGCCTTGACTAGCAAGTCACTGCTGATGC  
 TGAGGGCTACCTGGCTCACCTGTGAATGCCTACAAACTGGTGAAGCGGCTAAACACAGACTGGCCTGCC  
 CTGGAGGACCTTGTCTGCAGGACTCAGCTGCAGGTTTTATCGCCAACCTCTCTGTGCAGCGCAGTTCT  
 TCCCCACTGATGAGGACGAGATAGGAGCTGCCAAAGCCCTGATGAGACTTCAGGACACATACAGGCTGGA  
 CCCAGGCACAATTTCCAGAGGGAACTCCAGGAACCAAGTACCAGGCAATGCTGAGTGTGGATGACTGC  
 TTTGGGATGGGCCGCTCGGCCTACAATGAAGGGGACTATTATCATACGGTGTGTGGATGGAGCAGGTGC  
 TAAAGCAGCTTGATGCCGGGGAGGAGGCCACCACAACCAAGTACAGGTGCTGGACTACCTCAGCTATGC  
 TGTCTCCAGTTGGGTGATCTGCACCGTCCCTGGAGCTACCCGCCGCTGCTCTCCCTTGACCCAAGC  
 CACGAACGAGCTGGAGGGAATCTGCGGTACTTTGAGCAGTTATTGGAGGAAGAGAGAGAAAAACGTTAA  
 CAAATCAGACAGAAGCTGAGCTAGCAACCCAGAAAGGCATCTATGAGAGGCTGTGGACTACCTGCCTGA  
 GAGGGATGTTTACGAGAGCCTCTGTCGTGGGGAGGGTGTCAAACCTGACACCCCGTAGACAGAAGAGGCTT  
 TTCTGTAGGTACCACCATGGCAACAGGGCCCCACAGCTGCTCATTGCCCCCTTCAAAGAGGAGGACGAGT  
 GGGACAGCCCGCACATCGTCAGTACTACGATGTCATGCTGATGAGGAAATCGAGAGGATCAAGGAGAT  
 CGCAAAACCTAAACTTGACAGCCACCGTTCTGTGATCCCAAGACAGGAGTCTCACTGTCCGACGCTAC  
 CGGGTTTCCAAAAGCTCCTGGCTAGAGGAAGATGATGACCCTGTTGTGGCCCGAGTAAATCGTCGGATGC  
 AGCATATCACAGGGTTAACAGTAAAGACTGCAGAAATTGTTACAGGTTGCAAATTATGGAGTGGGAGGACA  
 GTATGAACCGCACTTCGACTTCTAGCGGACCTTTTGACAGCGGCTCAAACAGAGGGGAATAGGTTA  
 GCGACGTTTTCTAACTACATGAGTGATGTAAGAAGCTGGTGGTGCACCGTCTTCCTGATCTGGGGGCTG  
 CAATTTGGCCTAAGAAGGTACAGCTGTGTTCTGGTACAACTCTTGGGAGCGGGGAAGGTGACTACCG  
 AACAGACATGCTGCCTGCCCTGTGCTTGTGGGCTGCAAGTGGGTCTCCAATAAGTGGTTCCATGAACGA  
 GGACAGGAGTTCTTGAGACCTTGTGGATCAACAGAAGTTGAC

**ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RC227700 protein sequence  
 Red=Cloning site Green=Tags(s)

MTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKMEALTSKSAADAEGYL AHPVNAVYKLVKRLNTDWPAL  
 LEDLVLQDSAAGFIANLSVQRQFFPTDEDEIGAALMRLQD TYRLDPGTISR GELPGTKYQAML SVDDC  
 FGMGRSAYNEGYYHTVLWMEQVLKQLDAGEEATTTKSQVLDYLSYAVFQLGDLHRALELTRRLSLDPS  
 HERAGGNLRYFEQLLEEREKTLTNQTEAELATPEGIYERPVDYLP ERD VYESLCRGEVGLTPRRQKRL  
 FCRYHHGNRAPQLLIAPFKEEWDSPHIVRYDVM SDEIERIKEIAKPKLARATVRDPKTVGLTVASY  
 RVSKSSWLEEDDPVVARVNRMQHITGLTVKTAELLQVANYGVGGQYEPHDFSRPPFDSGLKTEGNRL  
 ATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWYNLLRSGEGDYRTRHAACPVLV GCKWVSNKWFHER  
 QGEFLRPGSTEVD

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001142598

**ORF Size:**

1512 bp

<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<u>NM_001142598.1, NP_001136070.1</u>
<b>RefSeq Size:</b>	2246 bp
<b>RefSeq ORF:</b>	1602 bp
<b>Locus ID:</b>	8974
<b>UniProt ID:</b>	<u>O15460</u>
<b>Cytogenetics:</b>	5q31.1
<b>MW:</b>	57.4 kDa