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Product datasheet for RC206055A1V

Human P4HA1 (NM_001017962) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human P4HA1 (NM_001017962) AAV Particle
Tag:	Myc-DDK
Symbol:	P4HA1
Synonyms:	P4HA
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

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ORF Nucleotide Sequence:

>RC206055 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCTGGTATATATTAATTATAGGAATTCTGCTTCCCCAGTCTTTGGCTCATCCAGGCTTTTTTACTT
CAATTGGTCAGATGACTGATTTGATCCATACTGAGAAAGATCTGGTGACTTCTCTGAAAGATTATATTAA
GGCAGAAGAGGACAAGTTAGAACAAATAAAAAAATGGGCAGAGAAGTTAGATCGGCTAACTAGTACAGCG
ACAAAAGATCCAGAAGGATTTGTTGGGCATCCAGTAAATGCATTCAAATTAATGAAACGTCTGAATACTG
AGTGGAGTGAGTTGGAGAATCTGGTCCTTAAGGATATGTCAGATGGCTTTATCTCTAACCTAACCATTCA
GAGACAGTACTTTCCTAATGATGAAGATCAGGTTGGGGCAGCCAAAGCTCTGTTACGTCTCCAGGATACC
TACAATTTGGATACAGATACCATCTCAAAGGGTAATCTTCCAGGAGTGAAACACAAATCTTTTCTAACGG
CTGAGGACTGCTTTGAGTTGGGCAAAGTGGCCTATACAGAAGCAGATTATTACCATACGGAACTGTGGAT
GGAACAAGCCCTAAGGCAACTGGATGAAGGCGAGATTTCTACCATAGATAAAGTCTCTGTTCTAGATTAT
TTGAGCTATGCGGTATATCAGCAGGGAGACCTGGATAAGGCACTTTTGCTCACAAAGAAGCTTCTTGAAC
TAGATCCTGAACATCAGAGAGCTAATGGTAACTTAAAATATTTTGAGTATATAATGGCTAAAGAAAAAGA
TGTCAATAAGTCTGCTTCAGATGACCAATCTGATCAGAAAACTACACCAAAGAAAAAAGGGGTTGCTGTG
GATTACCTGCCAGAGAGACAGAAGTACGAAATGCTGTGCCGTGGGGAGGGTATCAAAATGACCCCTCGGA
GACAGAAAAAACTCTTTTGCCGCTACCATGATGGAAACCGTAATCCTAAATTTATTCTGGCTCCAGCTAA
ACAGGAGGATGAATGGGACAAGCCTCGTATTATTCGCTTCCATGATATTATTTCTGATGCAGAAATTGAA
ATCGTCAAAGACCTAGCAAAACCAAGGCTGAGGCGAGCCACCATTTCAAACCCAATAACAGGAGACTTGG
AGACGGTACATTACAGAATTAGCAAAAGTGCCTGGCTCTCTGGCTATGAAAATCCTGTGGTGTCTCGAAT
TAATATGAGAATACAAGATCTAACAGGACTAGATGTTTCCACAGCAGAGGAATTACAGGTAGCAAATTAT
GGAGTTGGAGGACAGTATGAACCCCATTTTGACTTTGCACGGAAAGATGAGCCAGATGCTTTCAAAGAGC
TGGGGACAGGAAATAGAATTGCTACATGGCTGTTTTATATGAGTGATGTGTCTGCAGGAGGAGCCACTGT
TTTTCCTGAAGTTGGAGCTAGTGTTTGGCCCAAAAAAGGAACTGCTGTTTTCTGGTATAATCTGTTTGCC
AGTGGAGAAGGAGATTATAGTACACGGCATGCAGCCTGTCCAGTGCTAGTTGGCAACAAATGGGTATCCA
ATAAATGGCTCCATGAACGTGGACAAGAATTTCGAAGACCTTGTACGTTGTCAGAATTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206055 protein sequence
Red=Cloning site Green=Tags(s)

MIWYILIIGILLPQSLAHPGFFTSIGQMTDLIHTEKDLVTSLKDYIKAEEDKLEQIKKWAEKLDRLTSTA
TKDPEGFVGHPVNAFKLMKRLNTEWSELENLVLKDMSDGFISNLTIQRQYFPNDEDQVGAAKALLRLQDT
YNLDTDTISKGNLPGVKHKSFLTAEDCFELGKVAYTEADYYHTELWMEQALRQLDEGEISTIDKVSVLDY
LSYAVYQQGDLDKALLLTKKLLELDPEHQRANGNLKYFEYIMAKEKDVNKSASDDQSDQKTTPKKKGVAV
DYLPERQKYEMLCRGEGIKMTPRRQKKLFCRYHDGNRNPKFILAPAKQEDEWDKPRIIRFHDIISDAEIE
IVKDLAKPRLRRATISNPITGDLETVHYRISKSAWLSGYENPVVSRINMRIQDLTGLDVSTAEELQVANY
GVGGQYEPHFDFARKDEPDAFKELGTGNRIATWLFYMSDVSAGGATVFPEVGASVWPKKGTAVFWYNLFA
SGEGDYSTRHAACPVLVGNKWVSNKWLHERGQEFRRPCTLSELE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_001017962

ORF Size: 1602 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:	NM_001017962.1, NP_001017962.1
RefSeq Size:	2860 bp
RefSeq ORF:	1605 bp
Locus ID:	5033
UniProt ID:	P13674
Cytogenetics:	10q22.1
MW:	61 kDa