

Product datasheet for **RC216416A1V**

Human CYP21A2 (NM_000500) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYP21A2 (NM_000500) AAV Particle
Tag:	Myc-DDK
Symbol:	CYP21A2
Synonyms:	CA21H; CAH1; CPS1; CYP21; CYP21B; P450c21B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216416 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCTCCTGGGCTGCTGCTGCTGCTGCCCTGCTGGCTGGCGCCCGCTGCTGTGAACTGGTGA
 AGCTCCAGAGCCTCCACCTCCCGCTCTTGCCCGGGCTTCTTGCACTTGTGACGCCGACCTCCCAAT
 CTATCTGCTTGGCCTGACTCAGAAATTCGGGCCATCTACAGGCTCCACCTTGGGCTGCAAGATGTGGT
 GTGCTGAACTCCAAGAGGACCATTGAGGAAGCCATGGTCAAAAAGTGGGCAGACTTTGCTGGCAGACCTG
 AGCCACTTACCTACAAGCTGGTGTCTAGGAACTACCCGGACCTGTCTTGGGAGACTACTCCCTGCTCTG
 GAAAGCCACAAGAAGCTCACCCGCTCAGCCCTGCTGCTGGGCATCCGTGACTCCATGGAGCCAGTGGT
 GAGCAGCTGACCCAGGAGTTCTGTGAGCGCATGAGAGCCAGCCCGGCACCCCTGTGGCCATTGAGGAGG
 AATTCTCTCTCCTCACCTGCAGCATCATCTGTTACCTCACCTTCGGAGACAAGATCAAGGACGACA
 AATGCCTGCCTATTACAATGTATCCAGGAGGTGTTAAAAACCTGGAGCCACTGGTCCATCCAAATTGTG
 GACGTGATTCCTTTCTCAGGTTCTTCCCAATCCAGGCTCCGGAGGCTGAAGCAGGCCATAGAGAAGA
 GGGATCACATCGTGGAGATGCAGCTGAGGCAGCACAAAGGAGAGCCTCGTGGCAGGCCAGTGGAGGACAT
 GATGGACTACATGCTCCAAGGGGTGGCGCAGCCGAGCATGGAAGAGGGCTCTGGACAGCTCCTGGAAGGG
 CACGTGCACATGGCTGCAGTGGACCTCCTGATCGGTGGCACTGAGACCACAGCAAACACCCCTCTCCTGGG
 CCGTGGTTTTTTTGTTCACCACCCTGAGATTCAGCAGCGACTGCAGGAGGAGCTAGACCACGA
 CCCTGGTGCCTCCAGCTCCCGGTCCCCTACAAGGACCGTGCACGGTGCCTTGTCTCAATGCCACCATC
 CGCGAGGTGCTGCGCTGCGGCCGTTGTGCCCTTAGCCTTACCCACCCGACCACAGCCCGCCAGCAGCA
 TCTCCGGCTACGACATCCCTGAGGGCACAGTCATCATTCCGAACCTCCAAGGCGCCACCTGGATGAGAC
 GGTCTGGGAGAGGCCACATGAGTTCTGGCCTGATCGCTTCTGGAGCCAGGCAAGA
 AACTCCAGAGCTCTG
 GCCTTCGGCTGCGGTGCCCGCTGTGCCTGGGCGAGCCCTGGGCGCCTGGAGCTCTTCTGTTGCTGA
 CCCGACTGCTGCAGGCCCTTACGCTGCTGCCCTCCGGGACGCCCTGCCCTCCCTGCAGCCCTGCCCA
 CTGCAAGTGCATCCTCAAGATGCAGCCTTCCAAAGTGGGCTGCAGCCCGGGGGATGGGGGCCACAGC
 CCGGGCCAGAGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216416 protein sequence
 Red=Cloning site Green=Tags(s)

MLLLGLLLLLPLLAGARLLWNWKLQSLHLPPLAPGFLHLLQPDLPYLLGLTQKFGPIYRHLGLQDVV
 VLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSRNYPDLSLGDYSLLWKAHKKLTRSALLGIRDSMEPVV
 EQLTQEFCEMRMQPGTPVAIEEEFSLTCSIICYLTFGDKIKDDNMPAYYKCIQEVLKTWSHWSIQIV
 DVIPFLRFFPNPGLRRLKQAIIEKRDHIVEMQLRQHKESLVAGQWRDMDYMLQGVAPSMEEGSGQLLEG
 HVHMAAVDLLIGGTETTANTLSWAVVFLHHPHIEIQRLQEELDHELGPASSSRVYPKDRARLPLLNATI
 AEVLRRLRPVPLALPHRTTRPSSISGYDIPEGTVIIPNLQGAHLDETIVWERPHEFWPDRFLEPGKNSRAL
 AFGGARVCLGEPLARLELFVLLTRLLQAFLLPSGDALPSLQPLPHCSVILKMQPFQVRLQPRGMGAHS
 PGQSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000500

ORF Size:

1485 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_000500.5</u>
RefSeq Size:	2131 bp
RefSeq ORF:	1488 bp
Locus ID:	1589
UniProt ID:	<u>P08686</u>
Cytogenetics:	6p21.33
MW:	56 kDa