

Product datasheet for **RC221636A1V**

Human Cytochrome P450 1A2 (CYP1A2) (NM_000761) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Cytochrome P450 1A2 (CYP1A2) (NM_000761) AAV Particle
Tag:	Myc-DDK
Symbol:	Cytochrome P450 1A2
Synonyms:	CP12; CYP1A2; P3-450; P450(PA)
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC221636 representing NM_000761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATTGTCCAGTCTGTTCCCTTCG GCCACAGAGCTTCTCCTGGCCTCTGCCATCTTCTGCCTGG
 TATTCTGGGTGCTCAAGGGTTGAGGCCTCGGGTCCCAAGGCCTGAAAAGTCCACCAGAGCCATGGGG
 CTGGCCCTTGCTCGGGCATGTGCTGACCCTGGGAAGAACC CGCACCTGGCACTGTCAAGGATGAGCCAG
 CGCTACGGGGACGTCCTGCAGATCCGCATTGGCTCCACGCCCGTGTGGTGTGAGCCGCTGGACACCA
 TCCGGCAGGCCCTGGTGCAGGGGCGACGATTCAAGGGCCGGCCTGACCTCTACACCTCCACCCTCAT
 CACTGATGGCCAGAGCTTGACCTTCAGCACAGACTCTGGACCGGTGTGGGCTGCCCGCCGGCGCTGGCC
 CAGAATGCCCTCAACACCTTCTCCATCGCCTTGACCCAGCTTCTCATCTCTCTGCTACCTGGAGGAGC
 ATGTGAGCAAGGAGGCTAAGGCCCTGATCAGCAGGTTGCAGGAGCTGATGGCAGGGCCTGGGCATTCGA
 CCCTTACAATCAGGTGGTGGTGTGAGTGGCCAACGTCATTGGTGCCATGTGCTTCGGACAGCACTCCCT
 GAGAGTAGCGATGAGATGCTCAGCCTCGTGAAGAACACTATGAGTTCGTGGAGACTGCCTCCTCCGGGA
 ACCCCCTGGACTTCTTCCCACCTTCGCTACCTGCCTAACCTGCCCTGCAGAGGTTCAAGGCCTTCAA
 CCAGAGGTTCTGTGGTTCCTGCAGAAAACAGTCCAGGAGCACTATCAGGACTTTGACAAGAACAGTGTC
 CGGGACATCACGGGTGCCCTGTTCAAGCACAGCAAGAAGGGGCC TAGAGCCAGCGGCAACCTCATCCAC
 AGGAGAAGATTGTCAACCTTGTCAATGACATCTTTGGAGCAGGATTTGACACAGTACCACAGCCATCTC
 CTGGAGCCTCATGTACCTTGTGACCAAGCCTGAGATACAGAGGAAGATCCAGAAGGAGCTGGACTGTG
 ATTGGCAGGGAGCGGGCCCGGCTCTCTGACAGACCCAGCTGCCCTACTTGGAGGCCTTCACTCTGG
 AGACTTCCGACACTCCTCTTCTTGCCTTACCATCCCCACAGCACAAACAAGGGACACAACGCTGAA
 TGGCTTCTACATCCCCAAGAAATGCTGTGCTTCTCGTAAACCAAGTGGCAGGTCAACCATGACCCAGAGCTG
 TGGGAGGACCCCTCTGAGTTCGGCCTGAGCGGTTCTCACCGCCGATGGCACTGCCATTAACAAGCCCT
 TGAGTGAGAAGATGATGCTGTTTGGCATGGGAAGCGCCGGTGTATCGGGGAAGTCTGGCCAAGTGGGA
 GATCTTCTCTTCTGGCCATCTGCTACAGCAACTGGAGTTCAGCGTCCCGCCGGGCGTAAAGTCGAC
 CTGACCCCATCTACGGGCTGACCATGAAGCACGCCCGCTGTGAACATGTCCAGGCGGGCTGCGCTTCT
 CCATCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221636 representing NM_000761
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MALSQSVPFSAPELLLASAIFCLVFWLKLRLPRVPGKLSPPPEPWGWP LLGHVLT LGKNPHLALSRMSQ
 RYGDVLRIGSTPVLVLSRLDIRQALVRQGDDFKGRPDLYSTLITDQSLTFSTDSGPVWAARRRLA
 QNALNTFSIASDPASSSSCYLEEHVSKEAKALISRLQELMAGPGHFDPNQVVSVANVIGAMCFGQHF
 ESSDEMLSLVKNTHEFVETASSGNPLDFPILRYLPNPALQRFKAFNRFLWFLQKTVQEHYQDFDKNSV
 RDITGALFKHKKGPRASGNLIPQEKIVNLVNDIFGAGFDVTVAISWSLMYLVTKPEIQRKIQKELDTV
 IGRERRPRLSDRPQLPYLEAFILETFRHSSFLPFTIPHSTTRDTTLNGFYIPKCCVFNQWQVNHDP
 WEDPSEFRPERFLTADGTAINKPLSEKMLFGMGKRRICIGEVLAKEWEIFLFLAILLQQLFVSPVPGVKV
 DLTPIYGLTMKHARCEHVQARLRFSIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000761

ORF Size:

1548 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_000761.3</u> , <u>NP_000752.2</u>
RefSeq Size:	3127 bp
RefSeq ORF:	1551 bp
Locus ID:	1544
UniProt ID:	<u>P05177</u>
Cytogenetics:	15q24.1
MW:	58.2 kDa