

Product datasheet for **RC213527A1V**

Human CYP2A7 (NM_000764) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYP2A7 (NM_000764) AAV Particle
Tag:	Myc-DDK
Symbol:	CYP2A7
Synonyms:	CPA7; CPAD; CYP2A; CYP11A7; P450-IIA4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213527 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGCCTCAGGGCTGCTTCTGGTGGCCTTGTGCTGGCCTGCCTGACTGTGATGGTCTTGATGTCTGTCT
 GGCAGCAGAGGAAGAGCAGGGGAAGCTGCCTCCGGGACCCACCCACTGCCCTTCATTGGAAACTACCT
 CCAGCTGAACACAGAGCACATATGTGACTCCATCATGAAGTTCAGTGAGTGCTATGGCCCGTGTTACCC
 ATTCACCTTGGGGCCCGGCGGGCGGTGGTGTGTGGACATGATGCCGTGAGGAGGCTCTGGTGGACC
 AGGCTGAGGAGTTACGCGGGCGAGGCGAGCAAGCCACCTTCGACTGGGTCTTCAAAGGCTATGGCGTGGC
 GTTCAGCAACGGGAGCGCGCCAAGCAGCTCCTGCGCTTGGCATCGCCACCCTGAGGGACTTCGGGGTG
 GGCAAGCGAGGCATCGAGGAGCGCATCCAGGAGGAGTCGGGCTTCTCATCGAGGCCATCCGAGCACGC
 ACGGCGCAATATCGATCCACCTTCTCCTGAGCCGACAGTCTCCAATGTCATCAGCTCCATTGTCTT
 TGGGGACCGCTTGTACTATGAGGACAAAGAGTTCTGTCACTGCTGAGCGTGATGCTAGGAATCTCCAG
 TTCACGTCAACCTCCACGGGGCAGCTCTATGAGATGTTCTCTCGGTGATGAAACACCTGCCAGGACCAC
 AGCAACAGGCCTTTAAGTTGCTGCAAGGGCTGGAGGACTTCATAGCCAAGAAGGTGGAGCACAACCAGCG
 CACGCTGGATCCCAATCCCCACGGGACTTCATCGACTCCTTCTCATCCGATGCAGGAGGAGGAGAAG
 AACCCCAACACGGAGTTCTACTTGAAGAACCTGATGATGAGCAGTTGAACCTCTTCATTGCAGGCACCG
 AGACGGTCAGCACCCACCTGCGCTATGGCTTCTTGCTGCTCATGAAGCACCCAGAGGTGGAGGCCAAGGT
 CCATGAGGAGATTGACAGAGTGATCGGCAAGAACCGGCAGCCCAAGTTTGAGGACCGGGCCAAGATGCC
 TACATGGAGGCAGTGATCCACGAGATCCAAAGATTTGGAGACGTGATCCCATGAGTTTGGCCCGCAGGG
 TTAAGGACACCAAGTTTCGGGATTTTCTCCCTAAGGGACCGAAGTGTCCCTATGCTGGGCTC
 CGTGCTGAGAGACCCAGCTTCTCTCAACCCTCAGGACTTCAATCCCGAGCATTTCTGGATGACAAG
 GGGCAGTTTAAGAAGAGTGATGCTTTTGTGCCCTTTTCCATCGAAAGCGGTACTGTTTCGGAGAAGGCC
 TGGCCAGAATGGAGCTCTTCTCTTCTTACCACCGTCATGCAGAACTCCGCCTCAAGTCTCCAGTC
 ACCTAAGGACATTGACGTGTCCCCAACACGTGGGCTTTGCCACGATCCACGAAACTACCATGAGC
 TTCCTGCCCGC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213527 protein sequence
 Red=Cloning site Green=Tags(s)

MLASGLLLVALLACLTVMLMSVWQQRKSRGKLPPGPTPLPFIGNYLQLNTEHICDSIMKFSECYGPVFT
 IHLGPRRAVVLCGHDAVREALVDQAEFSGRGEQATFDWVFKGYGVAFSNGERAKQLLRFAIATLRDFGV
 GKRGIIEERIQEESGFLIEAIRSTHGANIDPTFFLSRTVSNVISSIVFGDRFDYEDKEFLSLLSVMLGIFQ
 FTSTSTGQLYEMFSSVMKHLPGPQQQAFKLLQGLEDFIAKKVEHNQRTLDPNSPRDFIDSFLIRMQEEEEK
 NPNTIFYLKNLMMSTLNLFIAGTETVSTTLRYGFLLLMKHPEVEAKVHEEIDRVIGKNRQPKFEDRAKMP
 YMEAVIHEIQRFQDVIPMSLARRVKKDTKFRDFLPGKTEVFPMLGSVLRDPSFFSNPQDFNPQHFLDDK
 GQFKKSDAFVPFSIGKRYCFGEGLARMELFLFFTTVMQNFRLKSSQSPKIDVSPKHVGFATIPRNYTMS
 FLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000764

ORF Size:

1482 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_000764.2</u> , <u>NP_000755.2</u>
RefSeq Size:	2281 bp
RefSeq ORF:	1485 bp
Locus ID:	1549
UniProt ID:	<u>P20853</u>
Cytogenetics:	19q13.2
MW:	56.4 kDa