

Product datasheet for **RC222647A1V**

Human CYP7B1 (NM_004820) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYP7B1 (NM_004820) AAV Particle
Tag:	Myc-DDK
Symbol:	CYP7B1
Synonyms:	CBAS3; CP7B; SPG5A
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC222647 representing NM_004820
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGAGAAGTGTCCGCGGCCACGGCCGCTTTTCGCTGGAGCGGTTGGGCCTCCCGGCCCTGGCCC
 TCGCCGCGGCCCTGCTGCTCCTGGCCCTCTGCTTGCTTGTCGCGCGCACCAGGAGACCCGGTGAGCCTCC
 ATTGATAAAAGGTTGGCTTCCTTATCTTGGAGTGGTCCTGAACCTACGAAAAGACCCCTTAAGGTTTCATG
 AAAACACTTCAAAGCAACATGGTGACACTTTCACAGTCTTCTTGGTGAAAGTACATAACATTATATCC
 TGGACCCCTTCCAGTACCAGCTAGTGATAAAAAATCATAACAATTAAGCTTTCGAGTATTTTCTAATAA
 ATTATTAGAGAAAGCATTTAGCATCAGTCAGTTGCAAAAAATCATGACATGAATGATGAGCTTCACCTC
 TGCTATCAATTTTGAAGGCAAATCTTTGGACATACTCTTGGAAAGCATGATGCAGAATCTAAACAAG
 TTTTGAACCCAGCTGTTAAAAACCACAAGTTGGGACACGGCAGAACTGTATCCATTCTGCAGCTCAAT
 AATATTTGAGATCACATTTACAACATATATGGAAGTATTGTTTGTGACAACAACAAATTTATTAGT
 GAGCTAAGAGATGATTTTTTAAATTTGATGACAAGTTTGCATATTTAGTATCCAACATACCCATTGAGC
 TTCTAGGAAATGTCAAGTCTATTAGAGAGAAAATTATAAAATGCTTCTCATCAGAAAAGTTAGCCAAGAT
 GCAAGGATGGTCAGAAGTTTTTCAAAGCAGGCAAGATGTCTGGAGAAATATTATGTGCACGAGGACCTT
 GAAATAGGAGCACATCTTAGGCTTTCTCTGGCCCTCTGTGGCAAACTATTCACACTATGTTCTGGG
 CAATGTATTATCTTCTGCGGCACCCAGAAGCTATGGCAGCAGTGCGTGACGAAATTGACCGTTTGTCTGCA
 GTCAACAGGTCAAAGAAAGGCTCTGGATTTCCCATCCACCTCACCAGAGAAATTTGGACAGCCTAATC
 TGCCTAGAAAGCAGCATTTTGAAGCTTACGACTGTCTCATATTCAACCACCATTGTTTTGTTGAGG
 AGGATTTGACTCTCAGTTCAGAGACCGGGGACTACTGTGTGCGAAAGGAGACTTGGTAGCCATCTTTCC
 TCCAGTCTACATGGTGACCCTGAAATCTTTGAAGCTCCAGAGGAGTTTAGATATGATCGTTTTATAGAA
 GATGGTAAGAAGAAAACACCTTTTCAAAGAGGGGAAAAGCTGAAGTGTTACCTAATGCCGTTTGAA
 CTGGAACCAGCAAATGTCCAGGCCGATTTTGTCACTTATGGAATAAAACAATTGTTGTTTACTTTT
 AACTTATTTGATTTAGAAATAATTGATGATAAGCCCATAGGACTAACTACAGCCGCTTGTGTTTGGT
 ATTCAGTATCCAGATTCTGATGTTTTATTAGATACAAAGTGAATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAGEVSAATGRFSLERLGLPGLALAAALLLALCLLVRRTRRPGEPLIKGWLPYLGVLNLRKDPLRFM
 KTLQKQHGDFTVLLGGKYITFILDPFQYQLVIKNHKQLSFRVFSNKLLEKAFSISQLQKNHDMNDELHL
 CYQFLQKSLDILLESMMQNLKQVFEPQLKTTSWDTAELYPFCSSIIIFEITFTTIYGVKIVCDNNKFIS
 ELRDDFLKFDDKFAYLVSNIPIELLGNVKSIREKIIKCFSSSEKLAKMQWSEVFQSRQDVLEKYYVHEDL
 EIGAHLGLFVWASVANTIPTMFWAMYLLRHPEMAAVRDEIDRLLQSTGQKKGSGFPIHLTREQLDSL
 CLESSIFEALRLSSYSTTIRFVEEDLTLSSETGDYCVRKGDVAIFPPVLHGDPEIFEAPPEEFYDRFIE
 DGKKKTTFFKRKKLKYLMFPGTGTGSKCPGRFFALMEIKQLLVILLTYFDLEIIDDKPIGLNYSRLLF
 IQYPDSVDLFRYKVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_004820

ORF Size:

1518 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_004820.2</u>
RefSeq Size:	2395 bp
RefSeq ORF:	1521 bp
Locus ID:	9420
UniProt ID:	<u>O75881</u>
Cytogenetics:	8q12.3
MW:	58.3 kDa