

Product datasheet for **RC222840A1V**

Human CYP27B1 (NM_000785) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYP27B1 (NM_000785) AAV Particle
Tag:	Myc-DDK
Symbol:	CYP27B1
Synonyms:	CP2B; CYP1; CYP1alpha; CYP27B; P450c1; PDDR; VDD1; VDDR; VDDRI; VDR
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222840 representing NM_000785
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCCAGACCTCAAGTACGCCTCCAGAGTGTTCATCGCGTCCGCTGGGCGCCGAGTTGGGCGCCT
 CCCTAGGCTACCGAGAGTACCACTCAGCACGCCGGAGCTTGGCAGACATCCAGGCCCTCTACGCCAG
 CTTTCTGGCCGAACCTTTCTGCAAGGGGGGCTGTGAGGCTACACGAGCTGCAGGTGCAGGGCGCCGCG
 CACTTCGGGCCGGTGTGGCTAGCCAGCTTTGGGACAGTGCACACCGTGTACGTGGCTGCCCTGCACTCG
 TCGAGGAGCTGCTGCGACAGGAGGGACCCGGCCGAGCGCTGCAGCTTCTGCCCTGGACGGAGACCG
 CCGCTGCCCGCAGCGGCTTGGGACTGCTCACTGCGGAAGGCGAAGAATGGCAAAGGCTCCGAGTCTC
 CTGGCCCCGCTCCTCCTCGGCCTCAAGCGGCCGCCGCTACGCCGAACCTGAACAACGTAGTCTGCG
 ACCTTGTGCGGCTGTGAGGCGCCAGCGGGACGTGGACGGGGCGCCGCCCTGGTTCCGGACGTGGC
 GGGGAATTTTACAAGTTCGACTGGAAGGCATCGCCGCGTTTCTGCTCGGCTCGCGCTTGGGCTGCCTG
 GAGGCTCAAGTGCACCCGACACGAGACCTTCATCCGCGCTGTGGGCTCGGTGTTGTGTCCACGCTGT
 TGACCATGGCGATGCCCACTGGCTGCGCCACCTTGTGCTGGGCCCTGGGGCCGCTCTGCCGAGACTG
 GGACAGATGTTTGCAATTTGCTCAGAGGCACGTGGAGCGCGAGAGGCAGAGGCAGCCATGAGGAACGGA
 GGACAGCCCGAGAAGGACCTGGAGTCTGGGCGCACCTGACCACTTCTGTTCCGGGAAGATTGCCTG
 CCCAGTCCATCCTGGGAAATGTGACAGAGTTGCTATTGGCGGGAGTGGACACGGTGTCCAACACGCTCTC
 TTGGGCTCTGTATGAGCTCTCCCGGCACCCGGAAGTCCAGACAGCACTCACTCAGAGATCACAGCTGCC
 CTGAGCCCTGGCTCCAGTGCCTACCCCTCAGCCACTGTTCTGTCCAGCTGCCCTGCTGAAGGCGGTGG
 TCAAGGAAGTCTAAGACTGTACCCTGTGGTACCTGGAATTCTCGTGTCCAGACAAAGACATTATGT
 GGGTGACTATATTATCCCAAAAATACGCTGGTCACTCTGTGTCACTATGCCACTTCAAGGGACCTGCC
 CAGTTCCAGAGCCAAATTTCTTTCTGTCAGCTCGCTGGCTGGGGAGGGTCCACCCCCACCATTTG
 CATCTCTTCCCTTTGGCTTTGGCAAGCGCAGCTGTATGGGAGACGCTGGCAGAGCTTGAATTGCAAA
 GGCTTTGGCCAGATCTTAACACATTTTGGGTGCAGCCTGAGCCAGGTGCGGCCCGAGTTAGACCCAAG
 ACCCGGACTGTCTGGTACCTGAAAGGAGCATCAACCTACAGTTTTTGGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222840 representing NM_000785
 Red=Cloning site Green=Tags(s)

MTQTLKYASRVFHRVRWAPELGASLGYREYHSARRSLADIPGPSTPSFLAELFCKGGLSRLHELQVQGA
 HFGPVWLASFVTVRYVAAPALVEELLRQEGPRPERCSFSPWTEHRRCRQRACGLLTAEGEWQRLRSL
 LAPLLLRPQAAARYAGTLNNVCDLVRRLRRQRGRGTGPPALVRDVAGEFYKFGLEGIAAVLLGSRLGCL
 EAQVPPDTETFIRAVGSVVFSTLLTMAMPHWLRLVPGPWGRLCRDWDQMFQAFQHRHVERREAEAMRNG
 GQPEKDLSEGAHLTHFLFREELPAQSILGNVTELLLAGVDTVSNTLSWALYELSRHPEVQTLHSEITAA
 LSPGSSAYPSATVLSQLPLLKAVVKEVRLYPVVPNGSRVDPKDIHVGDYIIPKNTLVTLCHYATSRDPA
 QFPEPNSFRPARWLGEPTPHPFASLPFGFKRSCMGRRRLAELELQMALAQILTHFEVQPEPGAAPVRPK
 TRTVLPERSINLQFLDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000785

ORF Size:

1524 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_000785.3</u>
RefSeq Size:	2503 bp
RefSeq ORF:	1527 bp
Locus ID:	1594
UniProt ID:	<u>O15528</u>
Cytogenetics:	12q14.1
MW:	56.3 kDa