

Product datasheet for **RC211200A1V**

Human CYP2R1 (NM_024514) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYP2R1 (NM_024514) AAV Particle
Tag:	Myc-DDK
Symbol:	CYP2R1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211200 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGAAGCTTTGGAGAGCTGAAGAGGGCGCGCGCGCTCGGCGGCGCGCTCTTCCTGCTGCTCTTCG
 CGCTAGGGGTCCGCCAGCTGCTGAAGCAGAGGCCGCGCATGGGCTTCCCCCGGGGCGCGCGGGGCTGCC
 ATTTATCGGCAACATCTATTCCCTGGCAGCCTCATCTGAGCTTCCCATGTCTACATGAGAAAGCAGAGC
 CAGGTGTACGGAGAGATCTTCAGTTTAGATCTTGGAGGCATATCAACTGTGGTTCTAAATGGCTATGATG
 TAGTAAAGGAATGCCTTGTTCATCAAAGCGAAATTTTGCAGACAGACCATGCCTTCCTTTATTCATGAA
 GATGACAAAAATGGGAGGCTTACTCAATTCCAGATATGGCCGAGGATGGGTTGATCAGACGATTAGCT
 GTAAACAGTTTTCGATATTTGGATATGGCCAAAAGTCTTTGAATCTAAATCTTGAAGAAACCAAAT
 TTTTCAATGATGCTATTGAAACATACAAAGGTAGACCTTTTGAATCTAAATCTTGAAGAAACCAAAT
 TTCAAACATAACCAATCTGATCATTTTTGGAGAACGATTCATTATGAAGACACCGATTTTCAGCACATG
 ATTGAGTTATTTAGTGAAATGTGGAACATAGCTGCCAGTGCCTCAGTCTTCTGTATAATGCCTTTCCAT
 GGATTGGCATCCTGCCTTTTGGAAAACATCAACAGCTGTTAGAAATGCAGCTGTAGTCTATGATTTTCT
 CTCCAGACTCATTGAAAAAGCTTCAGTCAACAGAAAGCCTCAGCTACCTCAGCATTTTGTGATGCTTAT
 TTAGATGAGATGGATCAAGGTAAAAATGACCCATCATCTACTTTCTCAAAGAAAACCTAATTTTCTCAG
 TGGGTGAACATCATTTGCTGGAACGAACTACAACCAATGTCTACGGTGGGCGATTCTTTTCATGGC
 CCTTTATCCTAATTTCAAGGACAAGTTGAGAAAGAGATTGATTAATTATGGGCCCTAATGGGAAGCCT
 TCTTGGGACGACAAATGCAAAATGCCTTATACTGAGGCAGTTTTCATGAAGTTTAAAGATTCTGTAATA
 TAGTTCATTAGGGATTTTCCATGCAACCTCTGAAGATGCAGTTGTACGTGGTTATTCCATTCTCAAAG
 CACAACAGTAATTACAAATCTTTATTCTGTACACTTTGATGAAAAGTACTGGAGAGACCCAGAAGTGTTT
 CATCCTGAGCGATTTCTGGACAGCAGTGATATTTTGGCAAGAAGGAAGCTTTGGTTCTTTTCCCTAG
 GAAGAAGACATTGTCTTGGAGAACACTTGGCTCGGATGGAAATGTTCTTGTTTTTACAGCATTGCTTCA
 GAGGTTTCATTGTCATTTTCCACATGAAGTTCAGATCTGAAGCCAGGTTAGGCATGACATTGCAG
 CCCCACCCCTACCTCATCTGTGCTGAAAGACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211200 protein sequence
 Red=Cloning site Green=Tags(s)

MWKLWRAEEGAAALGGALFLLLFAVGVRQLLKQRRPMGFPPGPPGLPFIIGNIYSLAASSELPHVYMRKQS
 QVYGEIFSLDLGGISTVVLNGYDVVKECLVHQSEIFADRPCLPLFMKMTKMGLLNSRYGRGWVDHRRLA
 VNSFRYFGYGQKSFESKILEETKFFNDIAIETYKGRPFDFKQLITNAVSNITNLIIIFGERFTYEDTDFQHM
 IELFSEVELAASASVFLYNAPFWIGILPFGKHQQLFRNAVVYDFLSRLIEKASVNRKPQLPQHFDVAY
 LDEMDQKNDPSSSTFSKENLIFSVELIAGTETTTNVLRWAILFMALYPNIQGVQKEIDLIMGPNGKP
 SWDDKCKMPYTEAVLHEVLRFCNIVPLGIFHATSEDAVVRGYSIPKGTTVITNLYSVHFDEKYWRDPEVF
 HPERFLDSSGYFAKKEALVPFSLGRRHCLGEHLARMEMFLFFTALLQRFHLHFPHELVPDLKPRLGMTLQ
 PQPYLICAERR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human
 Serotype: AAV-2
 ACCN: NM_024514
 ORF Size: 1503 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_024514.4</u>
RefSeq Size:	1633 bp
RefSeq ORF:	1506 bp
Locus ID:	120227
UniProt ID:	<u>Q6VVX0</u>
Cytogenetics:	11p15.2
MW:	57.4 kDa