

Product datasheet for **RC207121A1V**

Human CYP11A1 (NM_000781) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CYP11A1 (NM_000781) AAV Particle
Tag:	Myc-DDK
Symbol:	CYP11A1
Synonyms:	CYP11A; CYPXIA1; P450SCC
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC207121 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCCAAGGGTCTTCCCCACGCTCAGTCTGGTCAAAGGCTGCCAGACCTTTCTGAGTGCCCCCA
 GGGAGGGCTGGGGCGTCTCAGGGTGCCCACTGGCGAGGGAGCTGGCATCTCCACCCGAGTCTCGCCC
 CTTCAATGAGATCCCCTCTCCTGGTGACAATGGCTGGCTAAACCTGTACCATTTCTGGAGGGAGACGGGC
 ACACACAAAGTCCACCTTCACCATGTCCAGAATTTCCAGAAGTATGGCCGATTTACAGGGAGAAGCTCG
 GCAACGTGGAGTCGGTTTATGTCATCGACCCTGAAGATGTGGCCCTTCTCTTAAAGTCCGAGGGCCCCAA
 CCCAGAACGATTCTCATCCGCGCTGGGTGCGCTATCACCAGTATTACCAGAGACCCATAGGAGTCCTG
 TTGAAGAAGTCGGCAGCCTGGAAGAAAGACCGGGTGGCCCTGAACCAGGAGGTGATGGCTCCAGAGGCCA
 CCAAGAACTTTTGGCCCTGTTGGATGCAGTGTCTCGGACTTCGTGAGTGTCTGCACAGGCGCATCAA
 GAAGGCGGGCTCCGAAATTACTCGGGGACATCAGTGTGACCTGTTCCGCTTTGCCTTTGAGTCCATC
 ACTAACGTCATTTTGGGGAGCGCCAGGGGATGCTGGAGGAAGTGTGAACCCCGAGGCCAGCGATTCA
 TTGATGCCATCTACCAGATGTTCCACACCAGCGTCCCCATGCTCAACCTTCCCCCAGACCTGTTCCGTCT
 GTTCAGGACCAAGACCTGGAAGGACCATGTGGCTGCATGGGACGTGATTTTCAAGTAAAGCTGACATATAC
 ACCCAGAACTTCTACTGGGAATTGAGACAGAAAGGAAGTGTTCACCACGATTACCGTGGCATCTCTACA
 GACTCTGGGAGACAGCAAGATGTCCTTCGAGGACATCAAGGCCAACGTCACAGAGATGCTGGCAGGAGG
 GGTGGACACGACGTCCATGACCTGCAGTGGCACTTGTATGAGATGGCACGCAACCTGAAGGTGCAGGAT
 ATGCTGCGGGCAGAGGTCTTGGCTGCGGGCACCAAGGCCAGGGAGACATGGCCACGATGCTACAGCTGG
 TCCCCCTCCTCAAAGCCAGCATCAAGGAGACACTAAGACTTCACCCCATCTCCGTGACCTGCAGAGATA
 TCTTGTAATGACTTGGTTCTTCGAGATTACATGATTCTGCAAGACACTGGTGCAAGTGGCCATCTAT
 GCTCTGGGCGGAGAGCCACCTTCTTCTCGACCCGAAAAATTTGACCAACCCGATGGCTGAGCAAAG
 ACAAGAACATCACCTACTTCCGGAATTGGGCTTTGGCTGGGGTGTGCGGACGTGTCTGGGACGGCGGAT
 CGCTGAGCTAGAGATGACCATCTTCTCATCAATATGCTGGAGAACTTCAGAGTTGAAATCCAACACCTC
 AGCGATGTGGGACACATTCAACCTCATTCTGATGCCTGAAAAGCCCATCTCCTTACCTTCTGGCCCT
 TTAACCAGGAAGCAACCCAGCAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207121 protein sequence
 Red=Cloning site Green=Tags(s)

MLAKGLPPRSVLVKGCTFLSAPREGLGRLRVPTGEGAGISTRSPRFNEIPSPGDNGWLNLYHFWRETG
 THKVHLHHVQNFQKYGPYREKLGNVESVYVIDPEDVALLFKSEGNPERFLIPPWVAYHQYYQRPIGVL
 LKKSAAWKKDRVALNQEVMPEATKNFLPLLDVSRDFVSVLHRRIKAGSGNYSGLISDDLRFRAFESI
 TNVIFGERQGMLEEVNPEAQRFIDAIYQMFHTSVPMLNLPDLFRLFRKTWKDHAADVIFSKADIY
 TQNFYWELRQKGSVHHYRGILYRLLGDSKMSFEDIKANVTEMLAGGVDTTSMTLQWHL YEMARNLKVQD
 MLRAEVLAAHQAGQDMATMLQLVPLLKASIKETLRLHPISVTLQRYLVNDLVLRDYMIPAKTLVQVAIY
 ALGREPTFFFDPENFDPTRWLSKDKNITYFRNLGFGWVRQCLGRRIAELEMTIFLINMLENFRVEIQHL
 SDVGTTFNLILMPEKPISTFWPFNQEATQQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000781

ORF Size:

1563 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_000781.1</u>
RefSeq Size:	1936 bp
RefSeq ORF:	1566 bp
Locus ID:	1583
UniProt ID:	<u>P05108</u>
Cytogenetics:	15q24.1
MW:	60.1 kDa