

Product datasheet for **RC219037A1V**

Human DOPA Decarboxylase (DDC) (NM_001082971) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human DOPA Decarboxylase (DDC) (NM_001082971) AAV Particle
Tag:	Myc-DDK
Symbol:	DOPA Decarboxylase
Synonyms:	AADC
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC219037 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAACGCAAGTGAATTCCGAAGGAGAGGGAAGGAGATGGTGGATTACGTGGCCAACATACATGGAAGGCA
 TTGAGGGACGCCAGGTCTACCCTGACGTGGAGCCCGGTACCTGCGGCCGCTGATCCCTGCCGCTGCCCC
 TCAGGAGCCAGACAGTTTGAGGACATCATCAACGACGTTGAGAAGATAATCATGCCTGGGGTGACGCAC
 TGGCACAGCCCCTACTTCTTCGCTACTTCCCCACTGCCAGCTCGTACCCGCCATGCTTGCGGACATGC
 TGTGCGGGGCCATTGGCTGCATCGGCTTCTCTGGGCGCAAGCCAGCATGCACAGAGCTGGAGACTGT
 GATGATGGACTGGCTCGGAAGATGCTGGAACACAAAGGCATTTTTGAATGAGAAAGCTGGAGAAGGG
 GGAGGAGTGATCCAGGAAGTGCCAGTGAAGCCACCCTGGTGGCCCTGCTGGCCGCTCGGACCAAGTGA
 TCCATCGGCTGCAGGCAGCGTCCCAGAGCTCACACAGGCCGCTATCATGGAGAAGCTGGTGGCTTACTC
 ATCCGATCAGGCACACTCCTCAGTGAAAGAGCTGGGTTAATTGGTGGAGTGAAATTAAGCCATCCCC
 TCAGATGGCAACTTCGCCATGCGTGCGTCTGCCCTGCAGGAAGCCCTGGAGAGAGACAAAGCGGCTGGCC
 TGATTCCTTTCTTTATGGTTGCCACCCTGGGGACCACAACATGCTGCTCCTTTGACAATCTCTTAGAAGT
 CGGTCCTATCTGCAACAAGGAAGACATATGGCTGCACGTTGATGCAGCCTACGCAGGCAGTGATTCATC
 TGCCCTGAGTTCGGGCACCTTCTGAATGGAGTGGAGTTTGAGATTCACTTTAATCCCCACAAAT
 GGCTATTGGTGAATTTGACTGTTCTGCCATGTGGGTGAAAAAGAGAAGAGCTTAACGGGAGCCTTTAG
 ACTGGACCCCACTTACCTGAAGCACAGCCATCAGGATTCAGGGCTTATCACTGACTACCGGCATTGGCAG
 ATACCACTGGGCAGAAGATTTGCTCTTTGAAATGTGGTTTGTATTTAGGATGTATGGAGTCAAAGGAC
 TGCAGGCTTATATCCGAAGCATGTCCAGCTGTCCATGAGTTTGAGTCACTGGTGGCCAGGATCCCCG
 CTTTGAATCTGTGTGGAAGTCACTCTGGGCTTGTCTGCTTTGCGCTAAAGGGTTCCAACAAAGTGAAT
 GAAGCTCTTCTGCAAGAATAAACAGTGCCAAAAAATCCACTTGGTTCCATGTACCTCAGGGACAAGT
 TTGCTCTGCGCTTTGCCATCTGTTCTGCACGGTGAATCTGCCATGTGCAGCGGGCTGGGAACACAT
 CAAAGAGCTGGCGGCCGACGTGCTGCGAGCAGAGAGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219037 protein sequence
 Red=Cloning site Green=Tags(s)

MNASEFRRRGKEMVDYVANYMEGIEGRQVYPDVEPGYLRPLIPAAAPQEPDTFEDIINDVEKIIMPGVTH
 WHSPYFFAYFPTASSYPAMLADMLCGAIGCIGFSWAASPACTELETVMMDWLGMLELPKAFLENEKAGEG
 GGVIQGSASEATLVALLAARTKVIHRLQAASPELTQAAIMEKL VAYSSDAQHSSVERAGLIGGVKLKAIP
 SDGNFAMRASALQEALERDKAAGLIPFFMVATLGTTCSSFDNLLEVGPICNKEDIWLHVDAAYAGSAFI
 CPEFRHLLNGVEFADSFNPNHKLWLVNFDCSAMWVKRTDLTGAFRLDPTYLKHSHQDGLITDYRHWQ
 IPLGRRFRSLKMWVFRMYGVKGLQAYIRKHVQLSHEFESLVRQDPRFEICVEVILGLVCFRLKGSNKVN
 EALLQRINSAKKIHLVPCHLRDKFVLRFAICSRTVESAHVQRAWHEHIKELAADVLRAERE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDK**V**

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001082971

ORF Size:

1440 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_001082971.1, NP_001076440.1</u>
RefSeq Size:	2090 bp
RefSeq ORF:	1443 bp
Locus ID:	1644
UniProt ID:	<u>P20711</u>
Cytogenetics:	7p12.2-p12.1
MW:	53.9 kDa