

Product datasheet for **RC200320A1V**

Human APEX2 (NM_014481) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human APEX2 (NM_014481) AAV Particle
Tag:	Myc-DDK
Symbol:	APEX2
Synonyms:	APE2; APEXL2; XTH2; ZGRF2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200320 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGCGCGTGGTGTAGCTGGAACATCAATGGGATTTCGGAGACCCTGCAAGGGGTGCCAAATCAGGAAC
 CCAGCAACTGTGCCGCCGTGGCCGTGGGGCGCATTGGACGAGCTGGATGCGGATATCGTCTGTCTCCA
 GGAAACCAAAGTGACCAGGGATGCACTGACAGAGCCCTGGCTATCGTTGAGGGTTATAACTCCTATTTT
 AGCTTCAGCCGAACCGTAGCGGCTATTCTGGTGTAGCCACCTTCTGTAAGGACAATGCTACCCAGTGG
 CTGCTGAAGAAGGCTGAGTGGCTGTTGCCACCCAGAATGGGGATGTTGGTTGCTATGGAAACATGGA
 TGAGTTTACCCAAGAGGAACTCCGGCTCTGGATAGTGGGGCAGGGCCCTCTCACACAGCATAAGATC
 CGCACATGGGAAGGTAAGGAGAAGACCTTGACCCTAATCAACGTGTACTGCCCCATGCGGACCTGGGA
 GGCCTGAGCGGCTAGTCTTAAAGATGCGCTTCTATCGTTTGTGCAAATCCGAGCAGAAGCCCTCTGGC
 GGCAGGACCCATGTGATCATTCTGGGTGACCTGAATACAGCCACCGCCCATTGACCACTGGGATGCA
 GTCAACCTGGAATGCTTTGAAGAGGACCCAGGGCGCAAGTGGATGGACAGCTTGCTCAGTAACTGGGGT
 GCCAGTCTGCCTCTCATGTAGGGCCCTTCATCGATAGCTACCGCTGCTTCCAACCAAAGCAGGAGGGGGC
 CTTACCTGCTGGTCAAGTCACTGGCGCCGCCATCTCAACTATGGCTCCCGGCTTGACTATGTGCTG
 GGGACAGGACCTGGTCATAGACACCTTTCAGGCCTCTTCTGCTGCCTGAGGTGATGGGCTCTGACC
 ACTGCCCTGTGGTGCAGTCTTGAGTGTGCTCTGTGCTGCAAAACAGTGGCCACCTCTGTGCACCCG
 CTTCTCCCTGAGTTTGACGGCAGCCAGCTCAAGATCCTTCGCTTCTAGTTCCTCGAACAAAGTCTCT
 GTGTTGGAGCAGTGCAGCTGCAGCACAACAATCAAACCCGGGTACAGACATGCCAAACAAAGCCCAAG
 TGGCTCAACAGGCTCAGCCAGTCAGGTTGGCTCTAGCAGAGGCCAGAAAACCTGAAGAGTACTT
 TCAGCCCTCCCTAGCTGTCCCAAGCCTCTCCTGACATAGAGCTGCCTAGCCTACCACTGATGAGCGCC
 CTCATGACCCCGAAGACTCCAGAAGAGAAGGCAGTGGCCAAAGTGGTGAAGGGGCAGGCCAAGACTTCAG
 AAGCCAAAGATGAGAAGGAGTTACGGACCTCATTCTGGAAGTCTGTGCTGGCGGGGCCCTTGCACACCC
 CCTCTGTGGGGCCACAGGGAGCCATGTGTGATGCGTACTGTGAAGAAGCCAGGACCCAACTTGGGCCG
 CGCTTCTACATGTGTGCCAGGCCCGGGGTCTCCCACTGACCCCTCTCCCGGTGCAACTTCTTCTCT
 GGAGCAGGCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200320 protein sequence
 Red=Cloning site Green=Tags(s)

MLRVVSWNINGIRRPLQGVANQEPSNCAAVAVGRILDELADIVCLQETKVTRDALTEPLAIVEGYNYSYF
 SFSRNRSGYSGVATFCKDNATPVAAEGLSGLFATQNGDVGCYGNMDEFTQEELRALDSEGRALLTQHKI
 RTWEGKEKTLTLINVYCPHADPGRPERLVFKMRFYRLLQIRAEALLAAGSHVILGDLNTAHRPIDHWDA
 VNLECFEEDPGRKWMSLLSNLGCQSASHVGPFIIDSYRCFQPKQEGAFTCWSAVTGARHLNYGSRLDYVL
 GDRTLVIDTFQASFLLEVMGSDHCPVGAVLSVSSVPAKQCPPLCTRFLPEFAGTQLKILRFLVPLEQSP
 VLEQSTLQHNNQTRVQTCQNKAVRSTRPQPSQVGSRRGQKNLKSYPQSPSCPQASPDIELPSLPLMSA
 LMPKTPPEEKAVAKVVKQAKTSEAKDEKELRTSFWKSVLAGPLRTPLCGGHREPCVMRTVKKPGPNLGR
 RFYMCARPRGPPTDPSSRCNFFLWSRPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_014481

ORF Size:

1554 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_014481.2</u>
RefSeq Size:	2095 bp
RefSeq ORF:	1557 bp
Locus ID:	27301
UniProt ID:	<u>Q9UBZ4</u>
Cytogenetics:	Xp11.21
MW:	57.4 kDa