

Product datasheet for **RC202066A1V**

Human RPA70 (RPA1) (NM_002945) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human RPA70 (RPA1) (NM_002945) AAV Particle
Tag:	Myc-DDK
Symbol:	RPA1
Synonyms:	HSSB; MST075; REPA1; RF-A; RP-A; RPA70
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC202066 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGTCGGCCAACCTGAGCGAGGGGGCCATTGCGGCCATCATGCAGAAGGGGGATACAAACATAAAGCCCA
 TCCTCCAAGTCATCAACATCCGTCCCATTACTACGGGGAATAGTCCGCCCGTTATCGACTGCTCATGAG
 TGATGGATTGAACACTCTATCCTCTTTTCATGTTGGCGACACAGTTGAACCTCTCGTGGAGGAAGAACA
 TTGTCCAGCAACTGTGTATGCCAGATTCACAGATTTATTGTGAACACTCTGAAAGACGGAAGGAGAGTAG
 TTATCTTGATGGAATTAGAAGTTTTGAAGTCAGCTGAAGCAGTTGGAGTGAAGATTGGCAATCCAGTGCC
 CTATAATGAAGGACTCGGCAGCCGCAAGTAGCTCCTCCAGCGCCAGCAGCCAGCCAGCCAGCAGCAAGCAGC
 AGGCCCGAGCCGAGAATGGAAGCTCGGAATGGGTTCTACTGTTTCTAAGGCTTATGGTGCTTCAAAGA
 CATTGGAAAAGCTGCAGGTCCAGCCTGTACACACTTCTGGGGGAACACAGTCCAAAGTGGTGCCCAT
 TGCCAGCCTCACTCCTTACCAGTCCAAGTGGACATTTGTGCTCGTGTACCAACAAAAGTCAGATCCGT
 ACCTGGAGCAACTCCCGAGGGGAAGGGAAGCTTTTCTCCCTAGAACTGGTTGACGAAAAGTGGTGAAATCC
 GAGCTACAGCTTTCAATGAGCAAGTGGACAAGTTCTTTCTCTTATTGAAGTGAACAAGGTGATTATTT
 CTCGAAAGGCACCCTGAAGATTGCTAACAAGCAGTTTACAGCTGTTAAAAATGACTACGAGATGACCTTC
 AATAACGAGACTTCCGTCATGCCCTGTGAGGACGACCATCATTTACCTACGGTTCAGTTTGATTTACGG
 GGATTGATGACCTCGAGAACAAGTCGAAAGACTCACTTGTAGACATCATCGGGATCTGCAAGAGCTATGA
 AGACGCCACTAAAATCACAGTGAGGTCTAACAACAGAGAAGTTGCCAAGAGGAATATCTACTTGATGGAC
 ACATCTGGGAAGTGGTGACTGCTACACTGTGGGGGAAGATGCTGATAAATTTGATGGTTCTAGACAGC
 CCGTGTGGCTATCAAAGGAGCCGAGTCTCTGATTTCCGTTGGACGGAGCCTCTCCGTGCTGTCTTCAAG
 CACTATCATTGCGAATCCTGACATCCGAGGGCCTATAAGCTTCGTGGATGGTTTGACGCAAGAGGACAA
 GCCTTAGATGGTGTTCATCTCTGATCTAAAGAGCGCGGAGTCGGAGGGAGTAACACCAACTGAAAAA
 CCTTGTATGAGGTCAAATCCGAGAACCTGGGCCAAGGCGACAAGCCGACTACTTTAGTTCTGTGGCCAC
 AGTGGTGTATCTTCGAAAGAGAACTGCATGTACCAAGCCTGCCGACTCAGGACTGCAATAAGAAAGTG
 ATTGATCAACAGAATGGATTGTACCGCTGTGAGAAGTGCACACCGAATTTCCCAATTTCAAGTACCGCA
 TGATCCTGTGAGTAAATATTGCAGATTTTCAAGAGAATCAGTGGGTGACTTGTTCAGGAGTCTGCTGA
 AGCTATCCTTGGACAAAATGCTGCTTATCTTGGGAATTTAAAGACAAGAATGAACAGGCATTTGAAGAA
 GTTTTCCAGAATGCCAATTCGATCTTTCATATTCAGAGTCAGGGTCAAAGTGGAGACCTACAACGACG
 AGTCTCGAATTAAAGCCACTGTGATGGACGTGAAGCCCGTGGACTACAGAGAGTATGGCCGAAGGCTGT
 CATGAGCATCAGGAGAAGTGCATTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202066 protein sequence
 Red=Cloning site Green=Tags(s)

MVQLSEGAIAAIMQKGDNIKPIQVINIRPITGNSPPRYRLLMSDGLNTLSSFMLATQLNPLVEEEQ
 LSSNCVCQIHRFIVNTLKDGRVVILMELEVLKSAEAVGVKIGNVPVYNEGLGQPQVAPPAPASPAAASS
 RPQPQNGSSGMSTVSKAYGASKTFGKAAGPSLSHTSGGTQSKVVPIASLTPYQSKWTICARVTNKSQIR
 TWSNSRGEGLFSLELVDESSEIRATAFNEQVDKFFPLIEVNKVVYFSGTLKIANKQFTAVKNDYEMTF
 NNETSVMPCEDDHLPTVQDFDTGIDLENKSKDSLVDIIGICKSYEDATKITVRSNNREVAKRNIYLM
 TSGKVVTATLWGEDADKFDGSRQPVLAIKGARVSDFGGRSLSVLSSSTIIANPDIEAYKLRGWFDAEGQ
 ALDGVVISDLKSGGVGGSNTNWKTLYEKSENLGQDKPDYFSSVATVVYLRKENCYQACPTQDCNKKV
 IDQQNGLYRCEKCDTEFPNFKYRMILSVNIADFQENQWVTCFQESAEAILGQNAAYLGELKDKNEQAFEE
 VFQANANFRSFIFRVRVKVETYNDSESRKATVMDVKPVDYREYGRRLVMSIRRSALM

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002945
ORF Size:	1848 bp
Buffer:	PBS with 0.001% Pluronic F5276
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_002945.2, NP_002936.1</u>
RefSeq Size:	4345 bp
RefSeq ORF:	1851 bp
Locus ID:	6117
UniProt ID:	<u>P27694</u>
Cytogenetics:	17p13.3
MW:	68.1 kDa