

Product datasheet for **RC215909A1V**

Human Chk2 (CHEK2) (NM_145862) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Chk2 (CHEK2) (NM_145862) AAV Particle
Tag:	Myc-DDK
Symbol:	Chk2
Synonyms:	CDS1; CHK2; hCds1; HuCds1; LFS2; PP1425; RAD53
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215909 representing NM_145862
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCGGGAGTCGGATGTTGAGGCTCAGCAGTCTCATGGCAGCAGTGCCTGTTACAGCCCCATGGCA
 GCGTTACCCAGTCCCAAGGCTCCTCCTCACAGTCCCAGGGCATATCCAGCTCCTCTACCAGCACGATGCC
 AAACCTCAGCCAGTCCTCTCACTCCAGCTCTGGACACTGAGCTCCTTAGAGACAGTGTCCACTCAGGAA
 CTCTATTCTATTCTGAGGACCAAGAACCTGAGGACCAAGAACCTGAGGAGCCTACCCCTGCCCCCTGGG
 CTCGATTATGGGCCCTTCAGGATGGATTTGCCAATCTTGAATGTGTGAATGACAACACTGGTTTGGGAG
 GGACAAAAGCTGTGAATATTGCTTTGATGAACCACTGCTGAAAAGAACAGATAAATACCGAACATACAGC
 AAGAAACTTTTCGGATTTTCAGGGAAGTGGTCTAAAACTTTACATTGCATACATAGAAGATCACA
 GTGGCAATGGAACCTTTGTAATACAGAGCTTGTAGGGAAGGAAAACGCCGCTCTTTGAATAACAATTC
 TGAATTCGACTGTCCTAAGCAGAAATAAAGTTTTTGTCTTTTTGATCTGACTGTAGATGATCAGTCA
 GTTTATCCTAAGGCATTAAGAGATGAATACATCATGTCAAAAACCTCTTGGAAAGTGGTGCCTGTGGAGAGG
 TAAAGCTGGCTTTTCGAGAGGAAAACATGTAAGAAAGTAGCCATAAAGATCATCAGCAAAAAGGAAGTTTGC
 TATTGGTTTCAGCAAGAGAGGCAGACCCAGCTCTCAATGTTGAAACAGAAATAGAAATTTTAAAAAGCTA
 AATCATCCTTGCATCATCAAGATTAATAAATTTTTGATGCAGAAGATTATTATTTGTTTTGGAATTGA
 TGAAGGGGGAGAGCTGTTTGACAAAAGTGGTGGGAATAAACGCCCTGAAAGAAGCTACCTGCAAGCTCTA
 TTTTACCAGATGCTCTTGGCTGTGCAGATTACTGATTTTGGGCACTCCAAGATTTTGGGAGAGACCTCT
 CTCATGAGAACCTTATGTGAACCCCACTACTTGGCGCCTGAAGTCTTGTCTGTTGGGACTGCTG
 GGTATAACCGTGTGTGACTGCTGGAGTTTAGGAGTTATTCTTTTTATCTGCCTTAGTGGGTATCCACC
 TTTCTCTGAGCATAGGACTCAAGTGCTCACTGAAGGATCAGATCACCAAGTGGAATAACAACCTCATTCT
 GAAGTCTGGGCAGAAGTCTCAGAGAAAGCTCTGGACCTTGTCAAGAAGTGTGGTAGTGGATCCAAAGG
 CACGTTTTACGACAGAAGAAGCCTTAAGACACCCGTGGCTTCAGGATGAAGACATGAAGAGAAAGTTTCA
 AGATCTTCTGTCTGAGGAAAATGAATCCACAGCTCTACCCAGGTTCTAGCCAGCCTTCTACTAGTCTGA
 AAGCGGCCCGTGAAGGGGAAGCCGAGGGTGCCGAGACCACAAAGCGCCAGCTGTGTGTCTGTGTGT
 TG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSRES DVEAQQSHGSSACSQPHGSVTSQSGSSSQSGISSSSTSTMPNSSQSSHSSSGLSSLETVSTQE
 LYSIPEDQEPEDQEPPEPTPAPWARLWALQDGFANLECVNDNYWFGRDKSCEYCFDEPLLKRTDKYRTYS
 KKHFRIFREVGPKNSYIAYIEDHSGNGTFVNTELVGKGKRRPLNNSI IALSLSRNKVVFVFDLTVDDQS
 VYPKALRDEYIMSKTLGSGACGEVKLAFERKTCCKVAIKIISKRFKFAIGSAREADPALNVETEIEILKKL
 NHPCI I K IKNFFDAEDYYIVLELMEGGELFDKVVGNKRLKEATCKLYFYQMLLAVQITDFGHSKILGETS
 LMRTLCTPTYL APEVLVSVGTAGYNRAVDCWSLGVILFICLSGYPPFSEHRTQVSLKDQITSGKYNFIP
 EVWAEVSEKALDLVKLLVVDPKARFTTEEALRHPWLQDEDMKRKFQDLLSEENESTALPQVLAQPSTSR
 KRPREGEAEGAETTKRPAVCAAVL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_145862

ORF Size:

1542 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_145862.2</u> , <u>NP_665861.1</u>
RefSeq Size:	1775 bp
RefSeq ORF:	1545 bp
Locus ID:	11200
UniProt ID:	<u>O96017</u>
Cytogenetics:	22q12.1
MW:	57.3 kDa