

Product datasheet for **RC210649A1V**

Human Ku80 (XRCC5) (NM_021141) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Ku80 (XRCC5) (NM_021141) AAV Particle
Tag:	Myc-DDK
Symbol:	XRCC5
Synonyms:	KARP-1; KARP1; KU80; Ku86; KUB2; NFIV
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC210649 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGTGGCGTCGGGAATAAGGCAGCTGTTGTGCTGTGTATGGACGTGGGCTTTACCATGAGTAACCTCA
 TTCCTGGTATAGAATCCCATTTGAACAAGCAAAGAAGGTGATAACCATGTTTGTACAGCGACAGGTGTT
 TGCTGAGAACAAAGGATGAGATTGCTTTAGTCCTGTTTGGTACAGATGGCACTGACAATCCCTTTCTGGT
 GGGGATCAGTATCAGAACATCACAGTGCACAGACATCTGATGCTACCAGATTTTGATTTGCTGGAGGACA
 TTGAAAGCAAAATCCAACAGGTTCTCAACAGGCTGACTTCTGGATGCACTAATCGTGAGCATGGATGT
 GATCCAACATGAAACAATAGGAAAGAAGTTTGAGAAGAGGCATATTGAAATATTCAGTACCTCAGCAGC
 CGATTCAGCAAAAGTCAGCTGGATATTATAATTATAGCTTGAAGAAATGTGACATCTCCCTGCAATTCT
 TCTTGCCCTTCTCACTTGGCAAGGAAGATGGAAGTGGGACAGAGGAGATGGCCCTTTCGCTTAGGTGG
 CCATGGGCCTTCTTTCCACTAAAAGGAATTACCGAACAGCAAAAAGAAGGTCTTGAGATAGTGAAGATG
 GTGATGATATCTTTAGAAGGTGAAGATGGGTTGGATGAAATTTATTCATTCAGTGAGAGTCTGAGAAAAC
 TGTGCGTCTTCAAGAAAATTGAGAGGCATTCCATTCACTGGCCCTGCCGACTGACCATTGGCTCCAATTT
 GTCTATAAGGATTGCAGCCTATAAATCGATTCTACAGGAGAGAGTTAAAAAGACTTGGACAGTTGTGGAT
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 TGAGGAACAAATGAAATATAAATCGGAGGGGAAGTGCTTCTCTGTTTTGGGATTTTGAAATCTTCTCAG
 GTTCAGAGAAGATTCTTCATGGGAAATCAAGTTCTAAAGGTCTTTCAGCAAGAGATGATGAGGCAGCTG
 CAGTTGCACCTTCTCCCTGATTGCTTGGATGACTTAGACATGGTGCCATAGTTGATATGCTTA
 TGACAAAAGAGCTAATCCTCAAGTCGGCGTGGCTTTTCTCATATCAAGCATAACTATGAGTGTTTAGTG
 TATGTGCAGCTGCCTTTCATGGAAGACTTGCAGCAATACATGTTTTATCCTTGAAAAACAGTAAGAAAT
 ATGCTCCACCGAGGCACAGTTGAATGCTGTTGATGCTTTGATTGACTCCATGAGCTTGGCAAAGAAAGA
 TGAGAAGACAGACACCCTTGAAGACTTGTTCACACCAAAAAATCCCAATCCTCGATTTGAGAGATTA
 TTTGAGTGTCTGCTGCACAGAGCTTTACATCCCGGGAGCCTCTACCCCAATTCAGCAGCATATTTGGA
 ATATGCTGAATCCTCCGCTGAGGTGACAACGAAAAGTCAGATTCTCTCTCTAAATAAAGACCCTTTT
 TCCTCTGATTGAAGCCAAGAAAAGGATCAAGTGAAGTCTCAGGAAATTTTCAAGACAACCATGAAGAT
 GGACCTACAGCTAAAAAATTAAGACTGAGCAAGGGGAGCCCACTTCAGCGTCTCCAGTCTGGCTGAAG
 GCAGTGTACCTCTGTTGGAAGTGTGAATCCTGCTGAAAACCTCCGTGTTCTAGTGAAACAGAAGAAGGC
 CAGCTTTGAGGAAGCGAGTAACCAGCTCATAAATCACATCGAACAGTTTTTGGATACTAATGAAACACCG
 TATTTTATGAAGAGCATAGACTGCATCCGAGCCTTCCGGGAAGAAGCCATTAAGTTTTGAGAAGAGCAGC
 GCTTTAACAACTTCTGAAAGCCTTCAAGAGAAAGTGGAATTAACAATTAATCATTCTGGGAAAT
 TGTTGTCCAGGATGGAATTACTCTGATCACAAAGAGGAAGCCTCTGGAAGTTCTGTACAGCTGAGGAA
 GCCAAAAGTTTCTGGCCCCAAAGACAAACCAAGTGGAGACACAGCAGCTGTATTTGAAGAAGGTGGT
 ATGTGGACGATTTATTGGACATGATA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC210649 protein sequence Red=Cloning site Green=Tags(s) MVRSGNKAAVVLCMDVGFTMSNSIPGIESPFQAKKVITMFVQRQVFAENKDEIALVLFGTGTDNPLSG GDQYQNITVHRHMLPDFDLLEDIESKIQPGSQADFLDALIVSMDVIQHETIGKKFEKRHIEIFDLSS RFSKSQLDIIHSLKKCDISLQFFLPFSLGKEDGSGDRGDGPFRLGGHGSPFPLKGITEQQKEGLEIVKM VMISLEGEDGLDEIYSFSESLRKL CVFKKIERHSIHWPCLRTIGSNLSIRIAAYKSILQERVKKTWTVVD AKTLKKEDIQKETVYCLNDDDETEVLKEDI IQGFRYGSDIVPF SKVDEEQMKYKSEGKCF SVLGFCCKSSQ VQRRFFMGNQVLKVFAARDDEAAVALSSL IHALDDLDMVAIVRYAYDKRANPQVGVAFPHIKHNYECLV YVQLPFMEDLRQYMFSSLKNSKKYAPTEAQLNAVDALIDMSLAKKDEKTDLTLEDLPFTTKIPNPRFQRL FQCLLHRALHPREPLPIQQHIWNMLNPPAEVTTKSQIPLSKIKTLPFLEAKKKDQVTAQEIFQDNHED GPTAKKLTKEQGAHFSVSSLAEGSVTSVGSVNPAENFRVLVKQKKASFEEASNQLINHIEQFLDTNETP YFMKSIDCIRAFREEAIKFSEEQRFNFLKALQEKVEIKQLNHFWEIVVDGITLITKEEASGSSVTAAE AKKFLAPKDKPSGDTAAVFEEGDVEDLLDMI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_021141
ORF Size:	2196 bp
Buffer:	PBS with 0.001% Pluronic F6602
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_021141.2</u>
RefSeq Size:	3448 bp
RefSeq ORF:	2199 bp
Locus ID:	7520
UniProt ID:	<u>P13010</u>
Cytogenetics:	2q35
MW:	82.7 kDa