

Product datasheet for **RC217354A1V**

Human DNA polymerase eta (POLH) (NM_006502) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human DNA polymerase eta (POLH) (NM_006502) AAV Particle
Tag:	Myc-DDK
Symbol:	POLH
Synonyms:	RAD30; RAD30A; XP-V; XPV
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

ORF Nucleotide Sequence:

>RC217354 representing NM_006502
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTACTGGACAGGATCGAGTGGTTGCTCTCGTGGACATGGACTGTTTTTTTGTTCAGTGGAGCAGC
 GGCAAAATCCTCATTTGAGGAATAAACCTTGTGCAGTTGTACAGTACAAATCATGGAAGGGTGGTGAAT
 AATTGCAGTGAGTTATGAAGCTCGTGCATTTGGAGTCACTAGAAGTATGTGGGCAGATGATGCTAAGAAG
 TTATGTCCAGATCTTCTACTGGCACAAGTTCGTGAGTCCCGTGGGAAAGCTAACCTACCAAGTACCGGG
 AAGCCAGTGTTGAAGTGATGGAGATAATGTCTCGTTTTGCTGTGATTGAACGTGCCAGCATTGATGAGGC
 TTACGTAGATCTGACCAGTGTGTACAAGAGAGACTACAAAAGCTACAAGGTGAGCCTATCTCGGCAGAC
 TTGTTGCCAAGCACTTACATTGAAGGGTGGCCCAAGGCCCTACAACGGCAGAAGAGACTGTTTCAGAAAG
 AGGGGATGCGAAAACAAGGCTTATTTCAATGGCTCGATTCTCTTCAGATTGATAACCTCACCTCTCCAGA
 CCTGCAGCTACCGTGGGAGCAGTGATTGTGGAGGAAATGAGAGCAGCCATAGAGAGGGAGACTGGTTTT
 CAGTGTTTCAGCTGGAATTTACACAATAAGGTCTGGCAAAATGGCCTGTGGACTAAACAAGCCCAACC
 GCCAAACCTGGTTTCACATGGGTGAGTCCACAGCTCTTCAGCCAAATGCCATTTCGAAAAATCCGTAG
 TCTTGGAGGAAAGCTAGGGGCCCTCTGTCAATTGAGATCCTAGGGATAGAATACATGGGTGAAGTACCCAG
 TTCCTGAATCCAGCTCCAGAGTCATTTTGGGAGAGAAGTGGGTCTTGGCTATATGCCATGTGCCGAG
 GGATTGAACATGATCCAGTTAAACCCAGGCAACTACCCAAAACCATTTGGCTGTAGTAAGAACTTCCCAGG
 AAAACAGCTCTTGTCTACTCGGGAACAGGTACAATGGTGGCTGTTGCAATTAGCCAGGAACTAGAGGAG
 AGACTGACTAAGACCGAAATGATAATGACAGGGTAGCCACCCAGCTGGTTGTGAGCATTCTGTGTACAAG
 GAGACAAACGCCTCAGCAGCCTGCGCCGCTGCTGTGCCCTTACCCGCTATGATGCTCACAAGATGAGCCA
 TGATGCATTTACTGTCAAGCAAGTGTAACTTCTGGAATCCAGACAGAATGGTCTCCTCTCTCACA
 ATGCTTTTCTGTGTACAAAATTTCTGCCTCTGCCCTTCTATCTTCTACAGACATCACCAGCTTCT
 TGAGCAGTGACCCAAGTTCTCTGCCAAAGGTGCCAGTTACCAGCTCAGAAGCTAAGACCCAGGGAAGTGG
 CCCAGCGGTGACAGCCACTAAGAAAGCAACCAGTCTCTGGAATCATTCTTCCAAAAGCTGCAGAAAGG
 CAGAAAGTTAAGAAGCTTCGCTTTCTCTTACTGCTCCCACTCAGGCTCCCATGAGCAATTCACCAT
 CCAAGCCCTCATTACCTTTCAAACAGTCAAAGTACAGGAAGTGAAGCTTCTTTAAGCAGAAAAGTCT
 GCTTCTAAAGCAGAAACAGCTTAATAATTCTTCAGTTTCTTCCCCCAACAAAACCCATGGTCCAAGTGT
 AAAGCATTACCAAACCTTTACCAACAGAGTATCCAGGGTGTGTCCCTGTTTGTGAAGGGGTGTGAAGC
 TAGAAGAATCCTCTAAAGCAACTCCTGCAGAGATGGATTGGCCCAACAGCCAAAGCATGCACGCCTC
 TTCAGTTTCAAATCTGTGCTGGAGGTGACTCAGAAAGCAACCCCAATCCAAGTCTTCTAGCTGCTGAG
 GACCAAGTGCCCTGTGAGAAGTGTGGTCCCTGGTACCGGTATGGGATATGCCAGAACACATGGACTATC
 ATTTTGCATTGGAGTTGCAGAAATCCTTTTGCAGCCCACTCTTCAAACCCCAAGGTTGTTTCTGCCGT
 ATCTCATCAAGGCAAAAGAAATCCCAAGAGCCCTTGGCCTGCACTAATAACGCCCCAGGCCTGAGGGC
 ATGCAACATTGGAATCATTTTTTAAGCCATTAACACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC217354 representing NM_006502 Red=Cloning site Green=Tags(s) MATGQDRVVALVDMDCFFVQVEQRQNPRLRNKPCAVVQYKSWKGGGIIAVSYEARAFGVTRSMWADDAKK LCPDLLLAQVRESRGKANLTKYREASVEVMEIMSRFAVIERASIDEAYVDLTSVQERLQKLQGQPIAD LLPSTYIEGLPQGPTTAEETVQKEGMRKQGLFQWLDLQIDNLTSPDLQLTVGAVIVEEMRAAIERETGF QCSAGISHNKVLAKLACGLNKPQRQLVSHGSPQLFSQMPIRKIRSLGGKLGASVIEILGIEYMGELTQ FTESQLQSHFGKNGSWLYAMCRGIEHDPVKPRQLPKTIGCSKNFPGKTALATREQVQWWLLQLAQELEE RLTKDRNDNDRVATQLVVSIRVQGDKRLSSLRCCALTRYDAHKMSHDAFTVIKNCNTSGIQTEWSPPLT MLFLCATKFSASAPSSSTDITSFLSSDPSSLPKVPVTSSEAKTQSGSPAVTATKKATTSLESFFQKAAER QKVKEASLSSLTAPTQAPMSNSPSKPSLPFQTSQSTGTEPFFKQKSLLLKQQLNNSVSSPQQNPWSNC KALPNSLPTEYPGCVPVCEGVSKLEESSKATPAEMDLAHNSQSMHASSASKSVLEVTQKATPNPSLLAAE DQVPCEKCGSLVPVWDMPEHMDYHFALELQKSFLQPHSSNPQVVS AVSHQGKRNPKSPLACTNKRPRPEG MQTLESFFKPLTH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_006502
ORF Size:	2139 bp
Buffer:	PBS with 0.001% Pluronic F7673
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_006502.1</u>
RefSeq Size:	3464 bp
RefSeq ORF:	2142 bp
Locus ID:	5429
UniProt ID:	<u>Q9Y253</u>
Cytogenetics:	6p21.1
MW:	78.2 kDa