

Product datasheet for **RC211447A1V**

Human DNA polymerase mu (POLM) (NM_013284) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human DNA polymerase mu (POLM) (NM_013284) AAV Particle
Tag:	Myc-DDK
Symbol:	DNA polymerase mu
Synonyms:	Pol Mu; Tdt-N
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211447 representing NM_013284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCCCAACGGCGGCGAGCGGGTCTGGGTCCCCTAGCGCGATGCCGCTTCTCCACGCCGCCCT
 CGACGCGCTTCCCGGGAGTCGCCATCTACCTGGTCGAGCCTCGCATGGGTCGACGCCGCCGGGCCTTCT
 CACAGGCTGGCGCGCTCCAAGGCTTCCGCGTCTTGACGCTGCAGCTCCGAAGCGACACATGTTGTG
 ATGGAAGAGACCTCAGCAGAGGAGGCCGTGAGTGGCAGGAGCGCAGGATGGCAGCTGCTCCCCGGGTT
 GCACCCCCCAGCTCTGCTGGACATAAGCTGGTTAACAGAGAGCCTGGGAGCTGGGCAGCCTGTACCTGT
 GGAGTGGCGGACCGCTGGAGGTGGCTGGGCCAAGGAAGGGGCTCTGAGCCAGCATGGATGCCTGCC
 TATGCTGCCAGCGCCCTACGCCCTCACACACCACAACACTGGCCTCTCCGAGGCTCTGGAGATACTGG
 CCGAGGAGCAGGCTTTGAAGGAGTGGGGCCGCTCCTCACCTTCTGCAGAGCAGCCTCGGTGCTCAA
 GGCCCTTCCAGCCCTGTCAACCCCTGAGCCAGCTGCAGGGGCTTCCCACTTTGGAGAACCTCTCT
 AGGGTTGTCCAGGAGCTGCTGGAGCATGGAGTGTGTGAGGAGGTGGAGAGAGTTCCGCGCTCAGAGAGGT
 ACCAGACCATGAAGCTCTTACCCAGATCTTCGGGGTCCGTGTGAAGACTGCTGACCGGTGGTACCGGGA
 AGGACTGCGAACCTTAGATGACCTCCGAGAGCAGCCCCAGAACTAACCCAACAGCAGAAAGCGGGGCTC
 CAGCACCACAGGACCTGAGCAGCCAGTCTGCGGTCCGATGTAGATGCCCTGCAGCAGGTGGTGGAGG
 AAGCTGTGGGGCAGGCCCTGCCTGGGGCCACCGTCACGCTGACCGGCGGCTTCCGAGGGGGAAGTTGCA
 GGGCCATGACGTGGACTTCTCATCACCCACCCAAGGAGGTCAGGAGGCGGGGCTGCTGCCTAGAGTG
 ATGTGCCGCTGCAGGACCAGGCGCTCATCTGTACCACAGCAGCAGCAGCTGCTGTGAGTCCCCTA
 CCCGCTGGCCCAACAGAGCCACATGGACGCTTTGAGAGAAGTTTCTGATTTTCCGCTACCAACAAC
 TCCAGGGGCTGCTGTGGGGGATCCACGAGGCCCTGCCATCCTGGAAGGCCGTGAGAGTGGACTTGTA
 GTTGACCCGTCAGCCAGTTCCTTTTCCGCTGCTCGGTTGGACTGGCTCCAAGCTTTTCCAGCGGGAGC
 TGCGCCGCTTACGCCGAAGGAGAAGGGCCTGTGGCTGAACAGCCATGGGCTGTTTGACCGGAGCAGAA
 GACATTTTCCAGCGGCTTACAGGAAGACATCTTCAGACACCTGGGCTTGAGTACCTTCTCCAGAG
 CAGAGAAACGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211447 representing NM_013284
 Red=Cloning site Green=Tags(s)

MLPKRRRARVGSPPGDAASSTPPSTRFPGVAIYLVEPRMGRSRRFLTGLARSKGFRVLDACSSEATHVV
 MEETSAEEAVSWQERRMAAPPGCTPPALLDISWLTESLGAGQVPVVECRHRLEVAGPRKGPLSPAWMPA
 YACQRP TPLTHHNTGLSEALEILAEAGFEGSEGRLLTFCRAASVLKALPSPVTTLSQLQGLPHFGEHSS
 RVVQELLEHGVCEEVRRSERYQTMKLFQIFGVGVKTADRWYREGLRTLDDLREQPKLTQQQKAGL
 QHHQDLSTPVLRSVDALQQVVEEAVGQALPGATVTLTGFFRRGKLQGHVDVFLITHPKEGQEAGLLPRV
 MCRLQDQGLILYHQHQHSCCESPTRLAQQSHMDAFERSFCIFRLPQPPGAAVGGSTRPCPSWKAVRVDLV
 VAPVSQFPFALLGWTGSKLFQRELRRFSRKEKGLWLNHGLFDPEQKTFQAASEEDIFRHLGLEYLPE
 QRNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_013284

ORF Size:

1482 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_013284.1</u>
RefSeq Size:	2589 bp
RefSeq ORF:	1485 bp
Locus ID:	27434
UniProt ID:	<u>Q9NP87</u>
Cytogenetics:	7p13
MW:	54.6 kDa