

Product datasheet for **RC201607A1V**

Human MLH1 (NM_000249) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MLH1 (NM_000249) AAV Particle
Tag:	Myc-DDK
Symbol:	MLH1
Synonyms:	COCA2; FCC2; hMLH1; HNPCC; HNPCC2; MMRCS1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC201607 ORF sequence

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

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGTTCTGTCGAGGGGTTATTTCGGCGGCTGGACGAGACAGTGGTGAACCGCATCGCGCGGGGGAAG
 TTATCCAGCGGCCAGCTAATGCTATCAAAGAGATGATTGAGAAGTGTGTTAGATGCAAAATCCACAAGTAT
 TCAAGTGATTGTTAAAGAGGGAGGCCTGAAGTTGATTGATCCAAAGACAATGGCACCGGGATCAGGAAA
 GAAGATCTGGATATTGTATGTGAAAGGTTCACTACTAGTAACTGCAGTCCTTTGAGGATTTAGCCAGTA
 TTTCTACCTATGGCTTTCGAGGTGAGGCTTTGGCCAGCATAAGCCATGTGGCTCATGTTACTATTACAAC
 GAAAACAGCTGATGAAAGTGTGCATACAGAGCAAGTTACTCAGATGGAAAAGTAAAGCCCTCCTAAA
 CCATGTGCTGGCAATCAAGGGACCCAGATCACGGTGGAGGACCTTTTTTACAACATAGCCACGAGGAGAA
 AAGCTTTAAAAAATCAAGTGAAGAATATGGGAAAATTTTGAAGTTGTTGGCAGGTATTCAGTACACAA
 TGCAGGCATTAGTTTCTCAGTAAAAAACAAGGAGAGACAGTAGCTGATGTTAGGACACTACCCAATGCC
 TCAACCGTGGACAATATTCGCTCCATCTTTGGAATGCTGTTAGTCGAGAACTGATAGAAATGGATGTG
 AGGATAAAACCTAGCCTTCAAATGAATGGTTACATATCCAATGCAAACTACTCAGTGAAGAAGTGCAT
 CTTCTTACTCTTCATCAACCATCGTCTGGTAGAATCAACTTCCTTGAGAAAAGCCATAGAAAACAGTGTAT
 GCAGCCTATTTGCCCAAAACACACACCCATTCTGTACCTCAGTTTAGAAATCAGTCCCCAGAATGTGG
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 GCAGCACATCGAGAGCAAGCTCCTGGGCTCCAATTCTCCAGGATGTACTTCACCCAGACTTTGCTACCA
 GGACTTGCTGGCCCTCTGGGGAGATGGTTAAATCCACAACAAGTCTGACCTCGTCTTCTACTTCTGGAA
 GTAGTGATAAGGTCTATGCCCAACAGATGGTTCGTACAGATTCGCGGGAACAGAAGCTTGATGCATTTCT
 GCAGCCTCTGAGCAAACCCCTGTCCAGTCAGCCCCAGGCCATTGTCACAGAGGATAAGACAGATATTTCT
 AGTGGCAGGGCTAGGCAGCAAGATGAGGAGATGCTTGAACCTCCAGCCCTGCTGAAGTGCTGCCAAAA
 ATCAGAGCTTGGAGGGGGATACAACAAGGGGACTTCAGAAATGTCAGAGAAGAGAGGACCTACTTCCAG
 CAACCCAGAAAAGAGACATCGGGAAGATTCTGATGTGGAATGGTGGAAGATGATCCCGAAAGGAAATG
 ACTGCAGCTTGTACCCCGGAGAAGGATCATTAACCTCACTAGTGTGTTTGTAGTCTCCAGGAAGAAATTA
 ATGAGCAGGGACATGAGGTTCTCCGGGAGATGTTGCATAACCACTCCTTCGTGGGCTGTGTGAATCCTCA
 GTGGGCCTTGGCACAGCATCAAACCAAGTTATACCTTCTCAACACCACCAAGCTTAGTGAAGAACTGTTT
 TACCAGATACTCATTTATGATTTTGCCAAATTTTGGTGTCTCAGGTTATCGGAGCCAGCACCGCTCTTTG
 ACCTTGCCATGCTTGCTTAGATAGTCCAGAGAGTGGCTGGACAGAGGAAGATGGTCCCAAGAAGGACT
 TGCTGAATACATTGTTGAGTTTCTGAAGAAGAAGGCTGAGATGCTTGCACTATTTCTCTTTGGAAAT
 GATGAGGAAGGGAACCTGATTGGATTACCCCTTCTGATTGACAACTATGTGCCCTTTGGAGGGACTGC
 CTATCTTCATTCTCGACTAGCCACTGAGGTGAATTGGGACGAAGAAAAGGAATGTTTTGAAAGCCTCAG
 TAAAGAATGCGCTATGTTCTATTCCATCCGGAAGCAGTACATATCTGAGGAGTCGACCCTCTCAGGCCAG
 CAGAGTGAAGTGCCTGGCTCATTCAAACCTCTGGAAGTGGACTGTGGAACACATTGTCTATAAAGCCT
 TGGCCTCACACATTCTGCCTCTAAACATTTACAGAAGATGGAATATCCTGCAGCTTGCTAACCTGCC
 TGATCTATACAAAGTCTTTGAGAGGTGT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201607 protein sequence Red=Cloning site Green=Tags(s) MSFVAGVIRRLDETVVNRIAAGEVIQRPANAIEKIENCLDAKSTSIQVIVKEGGLKLIQIQDNGTGIRK EDLDIVCERFTTSKLQSFEDLASISTYGRGEALASISHVAHVTTITKTADGKCAYRASYSKGKLPKPPK PCAGNQGTQITVEDLFYNIATRRKALKNPSEEYKGILEVVGRYSVHNAGISFSVKKQGETVADVRTLPNA STVDNIRSIIFGNAVSRELIEIGCEDKTLAFKMNGYISNANYSVKKCIFLLFINHRLVESTSLRKAIETVY AAYLPKNTHPFLYLLEISPNQVNDVNVHPTKHEVHFLHEESILERVQQHIESKLLGNSSRMYFTQTLLP GLAGPSGEMVKSTTSLTSSSTSGSSDKVYAHQMVRTDSREQLDAFLQPLSKPLSSQPQAIVTEDKTDIS SGRARQQDEEMLELPAPAEVAAKNQSLGDDTKGTSEMSEKRGPTSSNPRKRHRESDVEMVEDDSRKEM TAACTPRRRIINLTSLVSLQEEINEQGHEVLREMLHNHSFVGCVPNPQWALAQHQTKLYLLNTTKLSEELF YQILIIYDFANFVLRLEPAPLFDLAMLALDSPESGWTEEDGPKEGLAEYIVEFLKKKAEMLADYFSLEI DEEGLIPLLDNYVPPLEGLPIFILRLATEVNWDEEKECFESLSKECAMFYISIRKQYISEESTLSGQ QSEVPGSIPNSWKWTVEHIVYKALRSHILPPKHFTEDGNILQLANLPDLYKVFERC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000249
ORF Size:	2268 bp
Buffer:	PBS with 0.001% Pluronic F5209
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:	NM_000249.2
RefSeq Size:	2662 bp
RefSeq ORF:	2271 bp
Locus ID:	4292
UniProt ID:	P40692
Cytogenetics:	3p22.2
MW:	84.6 kDa