

Product datasheet for **RC224178A1V**

Human Alkaline Phosphatase (ALPI) (NM_001631) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Alkaline Phosphatase (ALPI) (NM_001631) AAV Particle
Tag:	Myc-DDK
Symbol:	Alkaline Phosphatase
Synonyms:	IAP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224178 representing NM_001631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAGGGGCCCTGGGTGCTGCTGCTGCTGGGCCCTGAGGCTACAGCTCTCCCTGGGCGTCATCCCAGCTG
 AGGAGGAGAACC CGCCTTCTGGAACCGCCAGGCAGCTGAGGCCCTGGATGCTGCCAAGAAGCTGCAGCC
 CATCCAGAAGGTCGCAAGAACCTCATCTCTTCTGGGCGATGGGTTGGGGGTGCCACGGTGACAGCC
 ACCAGGATCCTAAAGGGGCAGAAGAATGGCAAACCTGGGGCCTGAGACGCCCTGGCCATGGACCGCTTCC
 CATACCTGGCTCTGTCCAAGACATACAATGTGGACAGACAGGTGCCAGACAGCGCAGCCACAGCCACGGC
 CTACCTGTGCGGGGTCAAGGCCAACTTCCAGACCATCGGCTTGAGTGCAGCCGCCGCTTTAACCACTGC
 AACACGACACGCGCAATGAGGTCTATCCGTGATGAACCGGGCCAAGCAAGCAGGAAAGTCAGTAGGAG
 TGGTGACCACACAGGGTGCAGCAGCCTCGCCAGCCGGCACCTACGCACACACAGTGAACCGCAACTG
 GTACTCAGATGCTGACATGCCTGCCTCAGCCCGCCAGGAGGGGTGCCAGGACATCGCCACTCAGCTCATC
 TCCAACATGGACATTGACGTGATCCTTGCGGAGGCGCAAGTACATGTTTCCATGGGGACCCAGACC
 CTGAGTACCCAGCTGATGCCAGCCAGAATGGAATCAGGCTGGACGGGAAGAACCTGGTGCAGGAATGGCT
 GGCAAAGCACCAGGGTGCCTGGTATGTGTGGAACCGCACTGAGCTCATGCAGGCGTCCCTGGACCACTCT
 GTGACCATCTCATGGGCTCTTTGAGCCCGGAGACACGAAATATGAGATCCACCGAGACCCACACTGG
 ACCCTCCCTGATGGAGATGACAGAGGCTGCCCTGCGCTGCTGAGCAGGAACCCCGCGGCTTCTACCT
 CTTTGTGGAGGGCGCGCATCGACCATGGTTCATCATGAGGGTGTGGCTTACCAGGCACTCACTGAGGCG
 GTCATGTTTCGACGACGCCATTGAGAGGGCGGCCAGCTCACCAGCAGGAGGACACGCTGACCTCGTCA
 CCGCTGACCACTCCCATGTCTTCTCCTTTGGTGGCTACACCTTGCAGGGAGCTCCATCTTCGGGTTGGC
 CCCAGCAAGGCTCAGGACAGCAAGGCTACACGTCCATCCTGTACGGCAATGGCCCGGGCTACGTGTTT
 AACTCAGGCGTGCGACAGACGTGAATGAGAGCGAGAGCGGGAGCCCGATTACCAGCAGCAGGCGGCGG
 TGCCCCGTGCTCGGAGACCCACGAGGCGAAGACGTGGCGGTGTTTGCAGCGGCGCCGAGGCGCACCT
 GGTGCATGGTGTGAGGAGCAGAGCTTCGTAGCGCATGTATGGCCTTCGCTGCCTGTCTGGAGCCCTAC
 ACGGCTGCGACCTGGCGCTCCCGCTGCACCACCGACGCGCGCACCCAGTTGCCGCGTCTGCTGCCAC
 TGCTGGCCGGGACCCTGCTGCTGCTGGGGCGTCCGCTGCTCCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MQGPWVLLLLGLRLQLSLGVIPAEENPAFWNRQAAEALDAKKLQPIQKVAKNLILFLGDGLGVPTVTA
 TRILKGQKNGKLGPEPLAMDRFPYLALSKTYNVDRQVPDSAATATAYLCGVKANFQTIGLSAAARFNQC
 NTTRGNEVISVMNRAKQAGKSVGVTTRVQHASPAGTYAHTVNRNWYSDAMPASARQEGCQDIATQLI
 SNMDIDVILGGGRKYMFPMTDPPEYPADASQNGIRLDGKNLVQEWLAKHQGAWYVWNRTELMQASLDQS
 VTHLMGLFEPGDTKYEIHDPDPLDPSLMEMTEAALRLLSRNPGRFYLFVEGGRIDHGHHEGVAYQALTEA
 VMFDDAIERAGQLTSEEDTLTLVTADHSVFSFGGYTLRGSSIFGLAPSKAQDSKAYTSILYGNPGYVF
 NSGVRPDVNESESGPDYQQAAVPLSSETHGGEDVAVFARGPQAHLVHGVQEVSFAHVMAFAACLEPY
 TACDLAPPACTTDAHPVAASLPLLAGTLLLLGASAAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001631

ORF Size:

1584 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_001631.2</u>
RefSeq Size:	2516 bp
RefSeq ORF:	1587 bp
Locus ID:	248
UniProt ID:	<u>P09923</u>
Cytogenetics:	2q37.1
MW:	56.81 kDa