

Product datasheet for **RC213062A1V**

Human **ATHL1 (PGGHG) (NM_025092) AAV Particle**

Product data:

Product Type:	AAV Particles
Product Name:	Human ATHL1 (PGGHG) (NM_025092) AAV Particle
Tag:	Myc-DDK
Symbol:	ATHL1
Synonyms:	ATHL1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213062 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTGGACACCAGCACCCCCAGACCTGACCCTTGGGAAGGTGAGGAGGCTAGGACGTGGGACTTCC
 TGACAGCGGTGGGCGGCAGCCAGGCTGAGGCTCAGGCCTGCCTACTGAGGCCCTGCAGCTGCAGGCCAG
 GGGAGCTCTGTATACGGCTCACGCACAGGCCTGGGCCAGCTCTGGGTAGAATGTGGCTTGGACGTGGT
 GGGCCCTGCAGCTGCGCCAGGCCCTGCGTGGCTCCCTCTACTACCTGCTCAGTGCCCTGCCCCAGCCCA
 AGGCCCCAGGATACATCTGCCATGGCCTCAGTCTGGGGCCTCTCCAATGGGAGCCGTGAGGAATGCTA
 CTGGGGCCACGTCTTCTGGGACCAGGACCTCTGGATGTTCCCGAGTATCCTGATGTTCCACCCAGAAGCC
 GCCAGGGCCATCCTGGAGTACCGCATCCGCACGCTGGACGGGGCCCTGGAGAACGCCCAGAACCTGGGCT
 ACCAGGGAGCCAAGTTTGCCTGGGAGAGTGCAGACTCCGGCTAGAGGTTTGCCTGAGGACATTTACGG
 AGTCCAGGAGGTCCACGTCAACGGGGCCGTGGTGTGGCCTTCGAGCTGTACTACCATAACCCAGGAC
 CTGCAGCTATTTGAGAGGCTGGTGGCTGGGACGTGGTCAAGGCTGTGGCCGAGTTTTGGTGCAGTCGTG
 TTGAGTGGAGCCCCAGGGAGGAAAAGTACCACCTGAGGGGAGTCATGTCCCCGACGAGTACCATTACAGG
 GGTCAACAACTCTGTGTACACCAACGTCTGGTCCAGAACAGCCTGCGCTTTGCTGCTGCCCTGGCCAG
 GACCTGGGTCTTCCCATCCCCAGCCAGTGGCTGGCGGTGGCTGACAAGTCAAGTACCCCTTTGACGTGG
 AGCAGAACTTCCACCCGAGTTCGATGGGTATGAGCCTGGAGAGGTGGTGAAGCAGGCAGACGTCGTGCT
 CCTGGGATACCCAGTCCCCTTCCCTGAGTCTGATGTTGCGAGGAAAATCTGGAGATTTACGAGGCT
 GTGACGTCCCCCAGGGCCCCGCCATGACCTGGAGCATGTTTGTGTGGGCTGGATGGAGCTGAAGGACG
 CAGTCCGGGGCCCGGGCCCTCTGGACAGGAGCTTGGCAACATGGCTGAACCTTCAAGGTGTGGACGGA
 GAATGCAGACGGGTGAGGCGCTGGAACCTCCTGACAGGCATGGGGGGCTTCTGCAGGCGGTGGTCTTC
 GGGTGCACGGGTTACGGGTACCCGAGCGGTGTGACCTTTGACCCTGTGTGTCTGTCGGGGATCTCCA
 GAGTGAGCGTCTCCGGCATCTTCTACCAGGGGAACAAGCTCAACTTCTCTTTTTCCGAGGACTCCGTGAC
 CGTGGAGGTACAGCTCGAGCAGGGCCCTGGGCTCCTCACCTGGAGGCTGAGCTGTGGCCATCCCAGTCC
 CGGCTCTCCCTGTTGCCAGGACACAAGTCTCCTTTCCCGCTCGGCTGGCCGGATACAAATGTCACCCC
 CGAAGTGCCTGGAAGTCCAGTCCGAGTCCCTGGGAGGACTTTTTCAGATGTTAGGGACCCGCTCCA
 GAGCCCCCTCTGGGTACCCCTGGGTTCTCCAGCCCCACCGAGTCACTACTGTGGACCCCTGCCTCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213062 protein sequence
 Red=Cloning site Green=Tags(s)

MLWTPAPPDLTLGEGEEARTWDFLTAVGGSQAEQAQLTEALQLQARGALYTAHAQAWAQLWVECLDVV
 GPLQLRQALRGSLYLLSALPQPKAPGYICHGLSPGGLSNGSREECYWGHVFWQDLWMFPSILMFHPEA
 ARAILEYRIRTLDGALENAQNLGYQGAKFAWESADSGLEVCPEDIYGVQEVHVNGAVVLAFFELYHHTQD
 LQLFREAGGWDVVRVAEFWCSRVEWSPREEKYHLRGMSPDEYHSGVNNSVYTNVLVQNSLRF AAALAQ
 DLGLPIPSQWLA VADKIKVPFDVEQNFHPEFDGYEPGEVVKQADVLLGYPVPFSLSPDVRKNIIEIYEA
 VTSPQGPAMTWSMFAVGWMEKDAVRARGLLDRSFANMAEPFKVVTENADGSGAVNFLTGMGGFLQAVVF
 GCTGFRVTRAGVTFDPVCLSGISRVSVSGIFYQGNKLNFSFSEDSVTVEVTARAGPWAPHLEAELWPSQS
 RL SLLPGHKVSFPR SAGRIQMSPPKLP GSSSSEFPGRTFSDVRDPLQSPLWTLGSSSPTESLTVDPASE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_025092

ORF Size:	1680 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_025092.3</u> , <u>NP_079368.2</u>
RefSeq Size:	3270 bp
RefSeq ORF:	2214 bp
Locus ID:	80162
UniProt ID:	<u>Q32M88</u>
Cytogenetics:	11p15.5
MW:	61.6 kDa