

Product datasheet for **RC203490A1V**

Human ATIC (NM_004044) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ATIC (NM_004044) AAV Particle
Tag:	Myc-DDK
Symbol:	ATIC
Synonyms:	AICAR; AICARFT; HEL-S-70p; IMPCHASE; PURH
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC203490 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTCCCGCCAGCTCGCCTTATTTAGTGTCTCTGACAAAACCGGCCTTGTGGAATTTGCAAGAAACC
 TGACCGCTCTTGGTTTGAATCTGGTCGCTTCCGGAGGGACTGCAAAAGCTCTCAGGGATGCTGGTCTGGC
 AGTCAGAGATGTCTCTGAGTTGACGGGATTTCTGAAATGTTGGGGGACGTGTGAAAACCTTGCATCCT
 GCAGTCCATGCTGGAATCCTAGCTCGTAATATTCAGAAGATAATGCTGACATGGCCAGACTTGATTCA
 ATCTTATAAGAGTTGTTGCCTGCAATCTCTATCCCTTTGTAAAGACAGTGGCTTCTCCAGGTGTAAGTGT
 TGAGGAGGCTGTGGAGCAAAATGACATTGGTGGAGTAACCTTACTGAGAGCTGCAGCCAAAACACGCT
 CGAGTGACAGTGGTGTGAACAGAGGACTATGTGGTGGTGTCCACGGAGATGCAGAGCTCCGAGAGTA
 AGGACACCTCCTTGGAGACTAGACGCCAGTTAGCCTTGAAGGCATTCACTCATACGGCACAATATGATGA
 AGCAATTTAGATTATTTAGGAAACAGTACAGCAAAGGCGTATCTCAGATGCCCTTGAGATATGGAATG
 AACCCACATCAGACCCCTGCCAGCTGTACACACTGCAGCCCAAGCTTCCCATCAGATTCTAAATGGAG
 CCCCTGGATTTATAAACTTGTGCGATGCTTTGAACGCCTGGCAGCTGGTGAAGGAACTCAAGGAGGCTTT
 AGGTATTCAGCCGCTGCCTCTTTCAAACATGTGAGCCAGCAGGTGCTGCTGTTGGAATTCACCTCAGT
 GAAGATGAGGCCAAAGTCTGCATGGTTTATGATCTCTATAAAACCTCACACCCATCTCAGCGGCATATG
 CAAGAGCAAGAGGGGCTGATAGGATGTCTTCAATTTGGTGTATTTGTTGCATTGTCCGATGTTTGTGATGT
 ACCAACTGCAAAATTTCCAGAGAAGTATCTGATGGTATAATTGCCCCAGGATATGAAGAAGAAGCC
 TTGACAATACTTTCCAAAAGAAAAATGAAACTATTGTGCTTCCAGATGGACCAATCTTACAAACAG
 ATGAAAATGAAGTTCGAATCTCTTTGGTCTTCATTTAAGCCAGAAGAGAAATAATGGTGTCTCGACAA
 GTCATTATTTAGCAATGTTGTTACCAAAAATAAAGATTTGCCAGAGTCTGCCCTCCGAGACCTCATCGTA
 GCCACCATTTGCTGCAAGTACACTCAGTCTAATCTGTGTGCTACGCCAAGAACGGGCAGGTTATCGGCA
 TTGGAGCAGGACAGCAGTCTCGTATACACTGCACTCGCCTTGCAGGAGATAAGGCAAACTATTGGTGGCT
 TAGACACCATCCACAAGTCTTTCGATGAAGTTTAAACAGGAGTGAAGAGAGCAGAAATCTCCAATGCC
 ATCGATCAATATGTGACTGGAACCATTTGGCAGGATGAAGATTTGATAAAGTGAAGGCACTGTTTGAGG
 AAGTCCCTGAGTTACTCACTGAGGCAGAGAAGAAGGAATGGGTTGAGAACTGACTGAAGTTTCTATCAG
 CTCTGATGCCTTCTTCCCTTCCGAGATAACGTAGACAGAGCTAAAAGGAGTGGTGTGGCGTACATTGCG
 GCTCCCTCCGTTCTGCTGCTGACAAAGTTGTGATTGAGGCCTGCGACGAAGTGGGAATCATCTCGCTC
 ATACGAACCTTCGGCTCTTCCACCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203490 protein sequence
 Red=Cloning site Green=Tags(s)

MAPGQLALFSVSDKTGLVEFARNLTALGLNLVASGGTAKALRDAGLAVRDVSELTFPEMLGGRVKTLP
 AVHAGILARNIPEDNADMARLDFNLIRVVACNLYPFVKTVASPGVTVEEAVEQIDIGGVTLRLAAAKNHA
 RVTVVCEPEDYVVVSTEMQSSSKDTSLETRRQLALKAFTHTAQYDEAISDYFRKQYSKQVSQMPLRYGM
 NPHQTPAQLYTLQPKLPITVLNGAPGFINLCDALNAWQLVKELKEALGIPAAASFKHVSPAGAAVGIPLS
 EDEAKVCMVYDLYKLTPIISAAYARARGADRMSSFGDFVALSDVCDVPTAKIISREVSDGIAPGYEEEA
 LTILSKKNGNYCVLQMDQSYKPDENEVRTLFGLHLSQKRNGVVDKSLFSNVVTKNDLPESALRDLIV
 ATIAVKYTQSNVQYAKNGQVIGIGAGQQSRIHCTRLAGDKANYWWLRHHPQVLSMKFKTGKRAEISNA
 IDQYVTGTIGEDDLIKWKALFEEVPELLTEAEKKEWVEKLTEVSISSDAFFPFRDNVDRAKRSVAYIA
 APSGSAADKVVIEACDELGIILAHNTLRLFH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_004044
ORF Size:	1776 bp
Buffer:	PBS with 0.001% Pluronic F5436
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_004044.4</u>
RefSeq Size:	2094 bp
RefSeq ORF:	1779 bp
Locus ID:	471
UniProt ID:	<u>P31939</u>
Cytogenetics:	2q35
MW:	64.6 kDa