

Product datasheet for **RC213497A1V**

Human AIRE (NM_000383) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human AIRE (NM_000383) AAV Particle
Tag:	Myc-DDK
Symbol:	AIRE
Synonyms:	AIRE1; APECED; APS1; APSI; PGA1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213497 representing NM_000383
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACGGACGCGGCTACGCCGGTCTGAGGCTGCACCGCACGGAGATCGCGGTGGCCGTGGACA
 GCGCCTTCCCCTGCTGCACGCGCTGGCTGACCACGACGTGGTCCCCGAGGACAAGTTTCAGGAGACGCT
 TCATCTGAAGGAAAAGGAGGGCTGCCCCAGGCCCTCCACGCCCTCCTGTCTGCTGCTGACCCAGGAC
 TCCACAGCCATCCTGGACTTCTGGAGGGTGTGTTCAAGGACTACAACCTGGAGCGCTATGGCCGGCTGC
 AGCCCATCCTGGACAGCTTCCCCAAAGATGTGGACCTCAGCCAGCCCCGGAAGGGGAGGAAGCCCCGGC
 CGTCCCCAAGGCTTTGGTACCGCACCCAGACTCCCCACCAAGAGGAAGGCCCTCAGAAGAGGCTCGAGCT
 GCCGCGCCAGCAGCCCTGACTCCAAGGGGACCCAGCCAGCCAGGCTCTCAACTGAAGGCCAAGCCCCCA
 AGAAGCCGGAGAGCAGCGCAGAGCAGCAGCGCCTTCCACTCGGGAACGGGATTCAGACCATGTCAGCTTC
 AGTCCAGAGAGCTGTGGCCATGTCTCCGGGGACGTCCCGGGAGCCCGAGGGGCCGTGGAGGGGATCCTC
 ATCCAGCAGGTGTTTGTAGTCAAGGCGCTCCAAGAAGTGCATCCAGGTTGGCGGGGAGTTCTACACTCCCA
 GCAAGTTCGAAGACTCCGGCAGTGGGAAGAACAAGGCCCGCAGCAGCAGTGGCCCCGAAGCCTCTGGTTCCG
 AGCCAAGGGAGCCAGGGCGCTGCCCCGGTGGAGGTGAGGCTAGGCTGGCCAGCAGGGCAGCGTTCCC
 GCCCTCTGGCCCTCCCAGTGACCCCCAGCTCCACCAGAAGAATGAGGACGAGTGTGCCGTGTGTCCGG
 ACGCGGGGAGCTCATCTGTGTGACGGCTGCCTCGGGCCTTCCACCTGGCCTGCCTGTCCCCTCCGCT
 CCGGGAGATCCCAGTGGGACCTGGAGGTGCTCCAGCTGCCTGCAGGCAACAGTCCAGGAGGTGCAGCCC
 CGGGCAGAGGAGCCCCGGCCCCAGGAGCCACCCGTGGAGACCCCGCTCCCCCGGGGCTTAGGTCGGCGG
 GAGAGGAGGTAAAGAGTCCACTGGGGAACCCCTAGCCGGCATGGACACGACTCTGTCTACAAGCACCT
 GCCGGCTCCGCTTCTGCAGCCCGCTGCCAGGCTGGACTCCTCGGCCCTGCACCCCTACTGTGTGTG
 GGTCTGAGGGTCAAGCAACCTGGCTCCTGGTGCAGCTTGGGGGTGTGCGGAGATGGTACGGACGTGC
 TGCGGTGACTCACTGCGCCGCTGCCTTCCACTGGCGCTGCCACTTCCAGCCGGCACCTCCCGGCCCGG
 GACGGGCTGCGCTGCAGATCCTGCTCAGGAGACGTGACCCAGCCCTGTGGAGGGGTGCTGGCCCCC
 AGCCCCCGCCCTGGCCCTGGGCTGCCAAGGATGACTGCCAGTCAAGGAGCCGCTCTGCACAGGG
 ATGACCTGGAGTCCCTTCTGAGCGAGCACACTTCGATGGCATCCTGCAGTGGCCATCCAGAGCATGGC
 CCGTCCGGCGGCCCTTCCCCTCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MATDAALRRLRLHRTEIAVAVDSAFPLLHALADHDVVPEDKFQETLHLKEKEGCPQAFHALLSWLLTQD
 STAILDFWRVLFKDYNLERYGRQLPILDSFPKVDLSQPRKGRKPPAVPKALVPPRLPTKRKASEEARA
 AAPAALTPRGTASPGSQLKAKPPKPESSAEQRLPLNGIQTMSASVQRAVAMSSGDVPGARGAVEGIL
 IQQVFESGSKKCIQVGGFETPSKFEDESGSGKNKARSSSGPKPLVRAKGAQGAAPGGGEARLGQQGSVP
 APLALPSDPQLHQKNEDECAVCRDGGELICCDGCPRAFLACLSPPLREIPSGTWRCSSQLATVQEVQP
 RAEEPRPQEPPEVETPLPPGLRSAGEEVRGPPGEPLAGMDTTLVYKHLPAAPSAAPLPLGLDSSALHPLLVCV
 GPEGQQLAPGARCGVCGDGTDLRCTHCAAFFHWRCHFPAGTSRPGTGLRCRSCSGDVTAPVEGVLPAP
 SPARLAPGPAKDDTASHEPALHRDDLESLLSEHTFDGILQWAIQSMARPAAPFPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000383

ORF Size:	1635 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_000383.1</u>
RefSeq Size:	2252 bp
RefSeq ORF:	1638 bp
Locus ID:	326
UniProt ID:	<u>O43918</u>
Cytogenetics:	21q22.3
MW:	57.5 kDa