

Product datasheet for **RC219079A1V**

Human ALAS2 (NM_000032) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALAS2 (NM_000032) AAV Particle
Tag:	Myc-DDK
Symbol:	ALAS2
Synonyms:	ALAS-E; ALASE; ANH1; ASB; SIDBA1; XLDPP; XLEPP; XLSA
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC219079 representing NM_000032
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGTGACTGCAGCCATGCTGCTACAGTGCTGCCAGTGCTTGCCCGGGGCCCCACAAGCCTCCTAGGCA
 AGGTGGTTAAGACTCACCAGTTCTGTTTGGTATTGGACGCTGTCCATCCTGGCTACCCAAGGACCAAA
 CTGTTCTCAAATCCACCTTAAGGCAACAAAGGCTGGAGGAGATTCTCCATCTTGGGCGAAGGGCCACTGT
 CCCTTCATGCTGTCGGAATCCAGGATGGGAAGAGCAAGATTGTGAGAAGGCAGCCCCAGAAGTCCAGG
 AAGATGTGAAGGCTTTCAAGACAGATCTGCCTAGCTCCCTGGTCTCAGTCAGCCTAAGGAAGCCATTTTC
 CGGTCCCAGGAGCAGGAGCAGATCTCTGGGAAGGTACACACCTGATTGAGAACAATATGCCTGGAAC
 TATGTCTTCAGTTATGACCAGTTTTTCAGGGACAAGATCATGGAGAAGAAACAGGATCACACCTACCGTG
 TGTTCAAGACTGTGAACCGCTGGGCTGATGCATATCCCTTTGCCAACATTTCTCTGAGGCATCTGTGGC
 CTCAAAGGATGTGTCCGTCTGGTGTAGTAATGATTACCTGGGCATGAGCCGACACCTCAGGTCTTGCAA
 GCCACACAGGAGACCCTGCAGCGTCATGGTGTGGAGCTGGTGGCACCCGCAACATCTCAGGCACCAAGTA
 AGTTTCATGTGGAGCTTGAGCAGGAGCTGGCTGAGCTGCACCAGAAGGACTCAGCCCTGTCTTCTCCTC
 CTGCTTTGTTGCCAATGACTCTACTCTTTCACCTTGCCAAGATCCTGCCAGGGTGCAGATTTACTCA
 GACGCAGGCAACCATGCTTCCATGATCCAAGGTATCCGTAACAGTGGAGCAGCCAAGTTTGTCTTCAGGC
 ACAATGACCCTGACCACCTAAAGAACTTCTAGAGAAGTCTAACCTAAGATACCCAAAATTGTGGCCTT
 TGAGACTGTCCACTCCATGGATGGTGCCATCTGTCCCTCGAGGAGTTGTGTGATGTGTCCACCAAGTAT
 GGGGCCCTGACCTTCGTGGATGAGGTCCATGCTGTAGGACTGTATGGTCCCAGGGGCGCTGGGATTGGGG
 AGCGTGATGGAATTATGCATAAGATTGACATCATCTCTGGAACCTTGGAAGGCCTTTGGCTGTGTGGG
 CGGCTACATTGCCAGCACCCGTGACTTGGTGGACATGGTGCCTCTATGCTGCAGGCTTCATCTTTACC
 ACTTCTCTGCCCCCATGGTGTCTCTGGAGCTCTAGAATCTGTGCGGCTGCTCAAGGGAGAGGAGGGCC
 AAGCCCTGAGGCGAGCCACCAGCGCAATGTCAAGCACATGCGCCAGCTACTCATGGACAGGGGCTTCC
 TGTATCCCCCTGCCCCAGCCACATCATCCCCATCCGGGTGGGCAATGCAGCACTCAACAGCAAGCTCTGT
 GATCTCCTGCTCTCAAGCATGGCATCTATGTGAGGCCATCACTACCAACTGTCCCCGGGGTGAAG
 AGCTCTGCGCTTGGCACCTCCCCCACCACGCCCTCAGATGATGGAAGATTTGTGGAGAAGCTGCT
 GCTGGCTTGGACTGCGGTGGGGTCCCCCTCAGGATGTGTCTGTGGCTGCCTGCAATTTCTGTGCGCGT
 CCTGTACACTTTGAGCTCATGAGTGAGTGGGAACGTTCTACTTCGGGAACATGGGGCCCCAGTATGTCA
 CCACCTATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MVTAAMLLQCCPVLARGPTSLLGKVVKTHQFLFGIGRCPILATQGPNCQIHLKATKAGGDSPSWAKGHC
 PFMLSELQDGKSKIVQKAAPEVQEDVKAFTDLPSSLVSVSLRKPFSGPQEQEQISGKVTHLIQNNMPGN
 YVFSYDQFFRDKIMEKKQDHTYRVFKTVNRWADAYPFAQHFSEASVASKDVSVWCSNDYLGMSRHPQVLQ
 ATQETLQRHGAGAGGTRNISGTSKFHVELEQELAEHQKDSALLFSSCFVANDSTLFTLAKILPGCEIYS
 DAGNHASMIQIRNSGAAKFVFRHNDPDHLKLLKSNPKIPKIVAFETVHSMGAIKPLEELCDVSHQY
 GALTTFVDEVHAVGLYGSRGAGIGERDGMHKIDIIISGTLGKAFGCVGGYIASTRDLVDMVRSYAAGFI
 TSLPPMVLSGALESVRLKKEEGQALRAHQNRNVKMRQLLMDRGLPVIPCPSHIPIRVGNAALNSKLC
 DLLLSKHGIYVQAINYPTVPRGEELLRLAPSPHHSPQMMEFVEKLLAWTAVGLPLQDVSVAAACNFCRR
 PVHFELMSEWERSYFGNMGPQYVTTYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_000032
ORF Size:	1761 bp
Buffer:	PBS with 0.001% Pluronic F7940
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_000032.1</u>
RefSeq Size:	1937 bp
RefSeq ORF:	1764 bp
Locus ID:	212
UniProt ID:	<u>P22557</u>
Cytogenetics:	Xp11.21
MW:	64.63 kDa