

Product datasheet for **RC206567A1V**

Human ALAS2 (NM_001037967) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALAS2 (NM_001037967) 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:

>RC206567 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGAGGGGAGAGGTTGCTCTGGGATGGAACAAGAAAAAGAGTTGTTTTGTGAGGACTTTAGGTTCA
 AGATGGTGACTGCAGCCATGCTGCTACAGTGCTGCCAGTGCTTGCCCGGGGCCCCACAAGCCTCCTAGG
 CAAGGTGGTTAAGACTCACCAGTTCTGTTTGGTATTGGACGCTGTCCATCCTGGCTACCCAAGGACCA
 AACTGTTCTCAAATCCACCTTAAGGCAACAAAGGCTGGAGGAGATTCTCCATCTTGGGCGAAGGGCCACT
 GTCCCTTCATGCTGTGGAACCTCAGGATGGGAAGAGCAAGATTGTGCAGAAGGCAGCCCCAGAAGTCCA
 GGAAGATGTGAAGGCTTTCAAGACAGGAACTATGTCTTCAGTTATGACCAGTTTTTCAGGGACAAGATC
 ATGGAGAAGAAACAGGATCACACCTACCGTGTGTTCAAGACTGTGAACCGCTGGGCTGATGCATATCCCT
 TTGCCCAACATTTCTCTGAGGCATCTGTGGCCTCAAAGGATGTGTCGCTGGTGTAGTAATGATTACCT
 GGGCATGAGCCGACACCTCAGGTCTTGAAGCCACACAGGAGACCCTGCAGCGTCATGGTGTGGAGCT
 GGTGGCACCCGAACATCTCAGGCACCAAGTAAGTTTCATGTGGAGCTTGAGCAGGAGCTGGCTGAGCTGC
 ACCAGAAGGACTCAGCCCTGCTCTTCTCCTCCTGCTTTGTTGCCAATGACTCTACTCTCTTCACCTTGGC
 CAAGATCCTGCCAGGTCGAGATTTACTCAGACGCAGGCAACCATGCTTCCATGATCCAAGGTATCCGT
 AACAGTGGAGCAGCCAAGTTTGTCTTCAGGCACAATGACCCTGACCACCTAAAGAACTTCTAGAGAAGT
 CTAACCCTAAGATACCAAAATTTGTGGCCTTTGAGACTGTCCACTCCATGGATGGTGCCATCTGTCCCCT
 CGAGGAGTTGTGTGATGTGTCCACCAGTATGGGGCCCTGACCTTCGTGGATGAGGTCCATGCTGTAGGA
 CTGATATGGGTCCCGGGGCGCTGGGATTGGGGAGCGTGATGGAATTATGCATAAGATTGACATCATCTCTG
 GAACCTTTGGCAAGGCCTTTGGCTGTGTGGGCGGCTACATTGCCAGCACCCGTGACTTGGTGGACATGGT
 GCGCTCCTATGTGTCAGGCTTCATCTTTACCATTCTCTGCCCCCATGGTGCTCTCTGGAGCTCTAGAA
 TCTGTGCGGCTGCTCAAGGGAGAGGAGGCCAAGCCCTGAGGCGAGCCACCAGCGCAATGTCAAGCACA
 TGCGCCAGCTACTCATGGACAGGGGCTTCTGTGTCATCCCTGCCCCAGCCACATCATCCCCATCCGGGT
 GGGCAATGCAGCACTCAACAGCAAGCTCTGTGATCTCCTGCTCTCCAAGCATGGCATCTATGTGCAGGCC
 ATCAACTACCAACTGTCCCCGGGGTGAAGAGCTCTGCGCTTGGCACCCCTCCCCCACCACAGCCCTC
 AGATGATGGAAGATTTTGTGGAGAAGCTGCTGCTGGCTTGAGCTGCGGTGGGGTGCCCTCCAGGATGT
 GTCTGTGGCTGCCTGCAATTTCTGTGCGCGTCTGTACACTTTGAGCTCATGAGTGAGTGGGAACGTTCC
 TACTTCGGAACATGGGGCCCCAGTATGTACACCACTATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206567 protein sequence
 Red=Cloning site Green=Tags(s)

MRGGEVALGWNKKRFLCEDFRFKMVTAAALLQCCPVLARGPTSLLGKVVKTHQFLFGIGRCPILATQGP
 NCSQIHLKATKAGGDSWAKGHCPFMLELQDGKSKIYQKAAPEVQEDVKAFKTNVYVFSYDQFRDKI
 MEKKQDHTYRVFKTVNRWADAYPFAQHFSEASVASKDVSVCNDYLGMSRHPQVLQATQETLQRHVGVA
 GGTRNISGTSKFHVELEQELAEHLQKDSALLFSSCFVANDSTLFTLAKILPGCEIYSDAGNHASMIQGIR
 NSGAAKFVFRHNDPDHLKLLKSNPKIPKIVAFETVHSMGDAICPLEELCDVSHQYALTFVDEVHVG
 LYGSRGAGIGERDGHKIDIIISGTLGKAFGCVGGYIASTRDLVDMVRSYAAGFIFFTSLPPMVLGSALE
 SVRLKGEEGQALRRHQNRNVKHMRLMDRGLPVIPCPSHIPIRVGNAAALNSKCLDLLSKHGIYVQA
 INYPTVPRGEELLRLAPSPHHSPQMMEFVEKLLLAWTAVGLPLQDVSVAAACNFCRRPVHFELMSEWERS
 YFGNMGPPQYVTYYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_001037967
ORF Size:	1722 bp
Buffer:	PBS with 0.001% Pluronic F5909
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_001037967.1</u>
RefSeq Size:	1933 bp
RefSeq ORF:	1653 bp
Locus ID:	212
UniProt ID:	<u>P22557</u>
Cytogenetics:	Xp11.21
MW:	63.5 kDa