

Product datasheet for **RC210726A1V**

Human P5CS (ALDH18A1) (NM_002860) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human P5CS (ALDH18A1) (NM_002860) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH18A1
Synonyms:	ADCL3; ARCL3A; GSAS; P5CS; PYCS; SPG9; SPG9A; SPG9B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC210726 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGAGTCAAGTTTACCGCTGTGGGTTCAGCCCTTCAACCAACATCTTCTGCCTGGGTCAAGTGTA
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CGCCCGGGGACCAGTAGGACTTGAGGGACTGCTTACTACTAAGTGGCTGCTGCGAGGGAAGGACCAAGTG
GTCTCAGATTTCTCAGAGCATGGAAGTTTAAATATCTTCATGAGAACCTCCCTATTCTCAGAGAAACA
CCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC210726 protein sequence Red=Cloning site Green=Tags(s) MLSQVYRCGFQPFNQHLLPWVKCTTVFRSHCIQPSVIRHVRWSNIPFITVPLSRTHGKSFAHRSELKHA KRIVVKLGSAVTRGDECGALGRLASIVEQVSVLQNQGEMMLVTSGAVAFGKQRLRHEILLQSQRQA LHSGQNQLKEMAIPVLEARACAAAGQSGLMALYEAMFTQYSICAAQILVTNLDHFDEQKRRNLNGTLHEL LRMNIVPIVNTNDVAVPPAEPNSDLQGVNVISVKDNDSLAARLAVEMKTDLLIVLSDVEGLFDSPPGSDD AKLIDIFYPGDQQSVTFGIKSRVGMGGMEAKVKAALWALQGGTSVVIANGTHPKVSGHVITDIVEGKKVG TFFSEVKPAGPTVEQQGEMARSGGRMLATLEPEQRAEIIHHLADLLTDQRDEILLANKKDLLEAEGRLLA PLLKRLSLSTSKLNSLAIGLRQIAASSQDSVGRVLRRTIAKNLELEQVTPIGVLLVIFESRPDCLPQV AALAIASGNGLLLKGGKEAAHSNRILHLLTQEALSIHGVEAVQLVNTREEVEDLCRLDKMIDLIIPRGS SQLVRDIQKAAKGIPVMGHSEGICHMYVDSEASVDKVTSLVRDSKCEYPAACNALETLLIHRDLLRTPLF DQIIDMLRVEQVKIHAGPKFASYLTFSPSEVKSRLTEYGDLELCIEVDNVQDAIDHIHKGSSHTDVIV TEDENTAEFFLQHVDSACVFWNASTRFSDGYRFGGLAEVGISTSRIHARGPVGLEGLLTTKWLLRGKDHV VSDFSEHGSLKYLHENLPIQRNTN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_002860
ORF Size:	2385 bp
Buffer:	PBS with 0.001% Pluronic F6612
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:	NM_002860.3
RefSeq Size:	3470 bp
RefSeq ORF:	2388 bp
Locus ID:	5832
UniProt ID:	P54886
Cytogenetics:	10q24.1
MW:	87.3 kDa