

Product datasheet for **RC227933A1V**

Human PLS1 (NM_001145319) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PLS1 (NM_001145319) AAV Particle
Tag:	Myc-DDK
Symbol:	PLS1
Synonyms:	DFNA76
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC227933 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAAAACAGTACTACTACCATTTCTCGGAGGAGCTTGAAGAACTACAAGAGGCATTTAATAAATAG
 ATATTGACAATAGTGGGTATGTCACTGACTATGAACCTCAAGACCTGTTTAAGGAAGCAAGCCTTCCTCT
 GCCTGGCTACAAGGTGCGCGAGATTGTGGAGAAAATTCTATCAGTTGCTGACAGCAACAAAGATGGCAAA
 ATCAGTTTTGAAGAGTTTGTGCTACTAATGCAAGAATAAAAAGCAAAGATATCAGCAAAACATTCCGAA
 AAATAATTAACAAGAGGGAAGGGATTACTGCTATTGGAGGAACCTCAACTATTTCCAGTGAGGGCACACA
 GCATTCTTACTCAGAGGAAGAAAAAGTGGCTTTTGTAACTGGATAAACAAAGCCCTGGAGAATGACCCT
 GACTGTAAGCATCTTATACCCATGAATCCCAATGATGATAGTCTTTTCAAGTCACTTGCAGATGGCATCC
 TTCTTTGCAAAATGATCAACTTATCTGAACCAGATACAATTGATGAAAGAGCCATCAATAAGAAAAAGCT
 CACGCCATTCATATTTCTGAAAATTTAAACCTAGCTCTGAATTCTGCCTCAGCCATTGGTTGTACAGTG
 GTCAACATTGGTGCATCAGATCTCAAAGAAGGAAAAACCTCACTTGGTCTTGGGACTTCTCTGGCAGATCA
 TCAAAGTTGGCCTTTTGTGATATTGAGATTTCCAGGAATGAAGCTCTGATTGCATTGTTAAATGAAGG
 TGAGGAACTAGAGGAGCTGATGAAGCTTTCTCCCGAGGAATTACTGCTGCGATGGGTGAAGTACCATCTG
 ACCAATGCAGGATGGCATACCATCAGCAACTTCAGCCAAGACATTAAGGACTCGAGAGCCTATTTTCATC
 TGCTTAATCAGATTGCCCTAAAGGTGGGAAGATGGACCTGCCATTGCCATTGACCTTTTCAGGAATTA
 TGAGACAAATGACCTGAAGCGTGTCTGGACTCATGCTTCAAGAAGCAGATAAACTGGGCTGCAACAGTTT
 GTTACTCTGCAGATGTGGTTTCAGGCAATCCTAACTTAATTTAGCTTTTGTAGCTAATTTGTTTAAACA
 CATACCATGCCTGCACAAGCCGAATAATAATGACATCGATATGAATTTACTGGAAGGAGAGAGCAAGGA
 AGAGAGAACATTTGGAAGTGGATGAATTCCTTGGGAGTCAACCCATACATTAATCATTGTACAGTGAC
 CTTGCAGATGCTTTAGTGATCTTTCAGCTCTATGAGATGATCCGAGTGCCAGTCAACTGGAGACATGTCA
 ACAAACCTCCTTATCCTGCCCTTGGAGGGAACATGAAGAAGATTGAAAACCTGTAAGTATGCAGTGGAACT
 TGGGAAGAACAAGGCCAAATTCTCCTTGGTGGCATTGCTGGCAGGACCTAAATGAAGGGAATTCACAA
 CTTACCCTGGCATTGGTATGGCAGCTGATGAGAAGGTACACATTGAATGTGTTATCGGATCTTGGAGAGG
 GTGAAAAAGTAAATGATGAAATTATAATTAATGGGTCAATCAGACTCTAAAAGTGCAAAACAAAAGAC
 TTCTATTTCCAGCTTCAAGGATAAATCTATAAGCACAAGTTTACCTGCTCTAGATTTAATAGATGCCATT
 GCACCAATGCAGTTCGTCAGAAATGATCAGGAGAGAAAACCTATCTGATGAGGACAAGCTGAACAATG
 CTAATACGCCATTTAGTTGCTCGAAAGATCGGTGCCCGGATATATGCATTACCTGATGACCTCGTAGA
 AGTGAAACCAAGATGGTTATGACGGTGTGTCATGCTTAATGGGAAAAGGACTGAACAGAATAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227933 protein sequence
 Red=Cloning site Green=Tags(s)

MENSTTTISREELEELQEAFNKIDIDNSGVSDYELQDLFKEASLPLPGYKVREIVEKILSVADSNKDGK
 ISFEFVSLMQELKSKDISKTFRKIINKREGITAIGGTSTISSEGTQHSYSEEEKVAFVNWINKALENDP
 DCKHLIPMNPNDLSLFKSLADGILLCKMINLSEPDTIDERAINKKKLTPFTISENLNLALNSASAIGCTV
 VNIGASDLKEGKPHLVLLWQIIKVGFLADIEISRNEALIALNEGEELEELMKLSPEELLRWVNYHL
 TNAGWHTISNFSQDIKDSRAYFHLLNQIAPKGGEDGPAIAIDLSGINETNDLKRAGLMLQEADKLGCKQF
 VTPADVSGNPKLNLAFVANLFNTYPCLHKPNNDIDMNLLEGESKEERTFRNWMNSLGVNPIYINHLYS
 LADALVIFQLYEMIRVPVNRHVNKPPYPALGGNMKKIENCNYAVELGKNKAKFSLVGIAGQDLNEGST
 LTLALVQLMRRYTLNVLSDLGEGEKVNDEIIKVVNQTLKSANKKTSISSFKDKSISTSLPVLDLIDAI
 APNAVRQEMIRRENLSDEDKLNNAKYAISSVARKIGARIYALPDDLVEVKPKMVMVTFACL MGKGLNRIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001145319
ORF Size:	1887 bp
Buffer:	PBS with 0.001% Pluronic F9383
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_001145319.1, NP_001138791.1</u>
RefSeq Size:	3720 bp
RefSeq ORF:	1890 bp
Locus ID:	5357
UniProt ID:	<u>Q14651</u>
Cytogenetics:	3q23
MW:	70.3 kDa