

Product datasheet for **RC228322A1V**

Human SPDYE6 (NM_001146210) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	SPDYE6
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC228322 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001146210, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGATCGAACCGAAACCGGTTTCGCAAACGCGGCAGATCACAGGGAAGATAACCACGAGTCGCCAGC
 CCCACCCCCAGAATGAACAGAGCCCGCAGCGGTCTACCAGCGGCTACCCTCTCCAGGAGGTCTGTACGA
 CGAGATGCTGGGCCGAGTGCCCTGGAGTTGATCCAAGTCCCCCTGTGCGAGCCTCGGGTGAAAAGG
 AAGAGGGAATGGAGCGATGAAAGTGAGGAGGAGCCTGAAAAGGAGCTGGCACCGAGCCAGAGGAGACAT
 GGGTGGTTGAAATGCTGTGTGGGCTGAAAGTGAACTGAAACAGCAGAGGGTGTCAATCCTTCCAGA
 GCACCACAAAGACTTCAATAGTCAGCTCGCTCCCGGGTTCGATCCAGCCCTCCTCATCGCTCATTCTGC
 TGGAACCGGAAGATGGAGTGGTGGGATGAATCAGAGGAATCCCTGGAGGAGGAACCGGAAGGTGCTTG
 CCCCTGAACCTGAGGAGATATGGTTCGCTGAAATGCTCTCGGCTCTTAAGATGAAATGAAGCGCGAAG
 GGTGAGCCTGGTGTCTCCGGAACACCGAAGCTTCAACCGGCTCCTTGAGGATCCTGTTATTAAGCGG
 TTTCTGGCCTGGGATAAAGACCTCCGGGTGAGCGACAAGTATTTGCTGGCCATGGTATCGCATACTTCT
 CCAGGGCTGGGTTCCCATCTTGGCAGTACCAACGCATCCATTTCTCCTCGCACTCTACTTGGCCACGA
 CATGGAGGAAGACGACGAAGACTCAAACAGAATATTTTTCATTTCTGTATCGGAAGAACCGAAGCCGG
 ATTCCACTGCTGAGAAAGCGCTGGTTCAGCTGGGACACTCAATGAACCCCGGGCCGAAAAAATAGGA
 GTCGGATACCCCTGCTTAGGAAGCGCAGATTCCAGCTTTATCGGTCCACCAATCCTAGAGCTCGCAAGAA
 TCGGTCAAGGATTCCCTTGCTGCGGAAACGCAGATTTCAACTGTATCGCAGTATGAATAGCAGGGCCAGG
 AAGAACCGATCCCAGATCGTGTCTTTCCAAAAACGACGGTTCCATTTCTTCTGCTCAATGAGCTGTCGAG
 CTTGGGTGAGCCCAGAAGAGCTGGAGGAGATCCAGGCCTACGACCTGAGCATTGGGTGTGGGCTAGGGA
 CAGGGCGCACCTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228322 representing NM_001146210
 Red=Cloning site Green=Tags(s)

MDRTETFRFRKGITGKITTSRQHPQNEQSPQRSTSGYPLQEVVDEMLGPSAPGVDPSPPCRLGWKR
 KREWSDESEEEPEKELAPEPEETWVVEMLCGLKMKLKQQRVSSILPEHHKDFNSQLAPGVDPSPPHRSFC
 WKRMWDESEESLEEEPRKVLAPEPEEIWVAEMLCGLKMKLKRVRVSLVPEHHEAFNRLLDPVIKR
 FLAWDKDLRVSDKYLLAMVIAYFSRAGFPSWYQRIHFFLALYLANDMEEDDESKQNIHFHLYRKNRSR
 IPLLRRKRFQLGHSMNPRARKNRSRIPLLRRKRFQLYRSTNPRARKNRSRIPLLRRKRFQLYRSMNSRAR
 KNRSQIVLFQKRRFHFFCSMSCRAWVSPEELEEIQAYDPEHVVWARDRAHLS

TRTRPLE**QKLI**SEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_001146210

ORF Size: 1206 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:	NM_001146210.1 , NP_001139682.1
RefSeq Size:	3166 bp
RefSeq ORF:	1209 bp
Locus ID:	729597
UniProt ID:	P0CI01
Cytogenetics:	7q22.1
MW:	48.3 kDa