

Product datasheet for **RC217767A1V**

Human Deleted in azoospermia 4 (DAZ4) (NM_001005375) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	DAZ4
Synonyms:	pDP1680; pDP1681
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC217767 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001005375, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCGCCGGAATCCCGAAACCCAAACAGCACAATCAGTCGGGAAGCCTCCACCCAGTCAAGCTCTG
 CCGCAGCATCTCAGGGATGGTACTTCCAGAGGGGAAGATCGTGCCAAATACAGTCTTCGTTGGGGGTAT
 CGATGCCCGAATGGATGAGACAGAAATAGGGTCTGCTTTGGTTCGCTACGGTAGTGTTAAGGAGGTGAAG
 ATTATTACGAATCGAACAGGCGTTAGTAAAGGCTATGGCTTCGTCATTCGTCATGATGTCGACGTCC
 AGAAGATCGTAGGCTCACAGATCCACTTTACGGGAAAAAACTTAAGCTGGGCCCTGCCATACGCAAGCA
 GAAGCTGTGCGCACGACAGTCCAACCACGGCCTCTGGTGGTGAACCCACCACCACCCACAGTTTCAG
 AACGTCTGGAGGAACCCGAATACCGAGACATACCTGCAGCCGAGATCACTCCGAACCCAGTCAACCCAGC
 ACGTGCAATCCGCCGTAACCCAGAGACTCCTAATTACCATAGTAGGGAGGCATCAACACAGTCACTC
 TTCCGCCGCTGCCTCTCAGGGCTGGGTTCTTCCGAGGGGAAAAATCGTGCCTAACACTGTGTTTGGT
 GGTATAGACGCACGCATGGACGAAACTGAAATCGGATCATGCTTTGGACGCTATGGAAGTGTGAAAGAAG
 TGAAAAATCATTACAAATAGAACAGGCGTCTCTAAGGGGTACGGCTTTGTGAGTTTCGTCATGATGTGGA
 TGTACAGAAAATCGTGGGCTCCAGATTCATTTTCATGGCAAGAACTGAAGTTGGGCCCTGCCATAAGG
 AAGCAGAAGTTGTGTGCCAGACAGCTTCAACCACGGCCCTCGTGGTAAACCCACCCCCACCTCAGT
 TCCAGAACGTGTGGAGGAACCCCAATACTGAGACTTACTTGCAGCCCAAAATCACACCAAACCTGTGAC
 TCAGCACGTGCAGGCTTATAGCGCGTACCCCACTCCCGAGCCAGGTAATAACTGGCTGCCAGCTGCTG
 GTCTACAACCTACCAAGAGTATCCCACTTACCCAGACTCTGCCTTCAAGTCACAACGGGATACCACTTC
 CCGTGTACAACCTACCGCCCTTCCCGCCTATCCACGGAGTCCATTCAGGTTACAGCTGGATACCACT
 GCCAGTTTATAACTATCAGGCCTTCCAGCCTACCCTAACTCCCTTTTCAAGTGGCAACAGGATACCAAG
 TTTCCCGTGTACAACCTACCGCCTTCCCTGCCTATCCATCCAGTCCCTCCAGGTCACAGCCGGATATC
 AGCTCCCGTTTATAATTACCAGGCCTTCTGCCTATCCCAATCCCTTCCAGGTCGCAACCCGGTTA
 CCAGTTTCCAGTCTACAATTACAAGCCTTCCAGCGTACCCCACTCTCCAGTGCAGGTACAACCCGGG
 TACCAGCTGCCAGTGTACAACCTACCGCATTCCAGCCTACCCCTCTTCTCCCTTCCAGGTGACAACCTG
 GCTACCAGTCCCAGTATAACAACCTACCGCGCTTCCCGCATACCCCACTCCGCTGTCCAGGTGACCAC
 CGGATACCAGTCCATGTCTATAATTACCAGATGCCTCCTCAGTCCCGGTGCGCGAGCAACGGCGAAAT
 CTTTGGACTGAAGCCTATAAGTGGTGGTATCTCGTGTCTCATCCAAAGAAGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217767 representing NM_001005375
 Red=Cloning site Green=Tags(s)

MSAANPETPNSTISREASTQSSSAAASQGWVLPKGIKIPNTVFGGIDARMDETEIGSCFGRYGSVKEVK
 IITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFHGKLLKLGPAIRKQKLCARHVQPRPLVNP PPPPQFQ
 NVWRNPNTETYLQPIITPNPVTQHVQSAANPETPNSTISREASTQSSSAAASQGWVLPKGIKIPNTVFGV
 GIDARMDETEIGSCFGRYGSVKEVKIITNRTGVSKGYGFVSFVNDVDVQKIVGSQIHFHGKLLKLGPAIR
 KQKLCARHVQPRPLVNP PPPPQFQNVWRNPNTETYLQPIITPNPVTQHVQAYSAYPHSPGQVITGCQLL
 VYNYQEYPTYPDSAFQVTTGYQLPVYNYQFPAYPRSPFQVATGYQLPVYNYQAFPAYPNPSPFQVATGYQ
 FFPVYNYQFPAYPSSPFQVATGYQLPVYNYQAFPAYPNPSPFQVATGYQFPVYNYQAFPAYPNPSPVQVTTG
 YQLPVYNYQAFPAYPSSPFQVTTGYQLPVYNYQAFPAYPNSAVQVTTGYQFHVYNYQMPPQCPVGEQRRN
 LWTEAYKWWYLVLQIRRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype:	AAV-2
ACCN:	NM_001005375
ORF Size:	1737 bp
Buffer:	PBS with 0.001% Pluronic F7738
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_001005375.1</u> , <u>NP_001005375.1</u>
RefSeq Size:	3955 bp
RefSeq ORF:	1740 bp
Locus ID:	57135
UniProt ID:	<u>Q86SG3</u>
Cytogenetics:	Yq11.23
MW:	64.8 kDa