

## Product datasheet for **RC218021A1V**

### Human **ZSCAN2 (NM\_181877) AAV Particle**

#### Product data:

<b>Product Type:</b>	AAV Particles
<b>Tag:</b>	Myc-DDK
<b>Symbol:</b>	ZSCAN2
<b>Synonyms:</b>	ZFP29; ZNF854
<b>Mammalian Cell</b>	None
<b>Selection:</b>	
<b>Vector:</b>	pAAV-AC-Myc-DDK (PS100089)



**ORF Nucleotide Sequence:** >RC218021 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_181877, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGCCGCAGATATCCAAGGGTACCACACCCCTGTCTAGCTTGGTGCAGGTGCCTCAGGAGGAGG  
 ACAGGCAGGAGGAGGAGGTCAACAACGATGATACTCGAAGATGACTCCTGGGTGCAGGAGGCCGCTCTCA  
 AGAGGATGGTCCAGAGAGTGAACATTCCACAGTCAGCGGGCAAAGGTGGACCCCAAGAGGAAGTGACT  
 AGAGGGCCCGAGGTGCTCTCGGACGCCTCCGAGAGCTGTGCAGGCGGTGGCTGAGGCCGAGGTGCACA  
 CCAAGGAGCAAATGCTCACTATGTTGCCCAAGGAGATCCAAGCATGGCTGCAGGAGCACCCGCTGAGTC  
 TTCTGAGGAAAGCTGCCGCTCTGGTTGAAGATCTTACCCAGACCCTGCAGGATAGCGATTTTCGAGATTCAG  
 TCCGAGAACGGAGAGAATTGTAATCAGGACATGTTTGAGAACGAGTCCCGGAAAATCTTCTCCGAGATGC  
 CTGAAGGTGAGTCAGCCAGCATAGTGACGGAGAGAGCGACTTCGAAAGGGACGCAGGAATCCAGCGCCT  
 CCAAGGACTCCCCAGGCGAAGACCACGGCGAGGTGGTGAAGTCAAGACCGAGAAGTGGCCAGTTGATC  
 GGGCTGCAGGGGACATACTCGGTGAGAAGCCTTATGAATGCCCCAGTGTGAAAGACATTCAGCAGGA  
 AATCCCATCTGATTACCCATGAGCGGACGCACACGGGAGAGAAATACTATAAGTGTGACGAATGTGGCAA  
 GAGTTTTAGCGATGGCAGTAACCTTCCAGGCACCAGACAACACACTGGAGAGAAGCCCTACAAGTGT  
 CGCGACTGTGTAAGTCATTTAGCCGACGCCAACCTGATCACGCATCAGCGAATTCATACTGGAGAGA  
 AGCCGTTCCAGTGCAGGAGTGCAGGAAAATCCTTTTACGATCTCCTAATCTGATCGCACACCAGAGGAC  
 CCATACAGGTGAAAAGCCTTATTCCTGTCTGAGTGCAGGAAAATCATTGGGAATCGCAGCTCTCTGAAC  
 ACCCACCAAGGCATTCATACCGGGGAGAAGCCATACGAGTGTAAAGAGTGCAGGCAATCATTTTCTTATA  
 ATCCAACCTGATTAGGCACCGCAATTCATACAGGGGAAAAGCCTTACAAGTGTACAGACTGTGGCA  
 ACGCTTCTCACAAGTTCTGCTCTCATCACCCACCGGAGGACTCACACCGGAGAAAAGCCTTACCAAGTGC  
 AGTGAAGTGCAGGAAAATCATTTCAGATCCAGCAACTTGGCTACCCACAGGCGCACCCATATGGTGGAGA  
 AACCATATAAGTGCAGTGTGTGGGAAGAGTTTTAGTCAGTCCTCCTCCTGATTGCACACCAGGGAAT  
 GCATACCGGAGAGAAGCCCTACGAGTGCCTGACGTGCAGGAGAGCTTCAGTTGGAGTCCAACCTGCTT  
 AAACACCAGCGAATTCATACCGGTGAGAAGCCCTATAAATGCTCTGAATGCGGAAAAGTGTCTTCCAGC  
 GCTCACAGTGGTCTGTCACAGAGAACTCATACAGGAGAAAAGCCGTACAAGTGCCTCATGTGCGGCAA  
 AAGCTTCAGCAGGGGTCTATACTCGTTATGCATCAGCGGGCTCACTTGGGCGACAAGCCCTACCGGTGC  
 CCCGAATGTGGGAAAGGCTTTTCTGGAATTCAGTTCTGATCATTACCCAGCGGATTCACACTGGTGAAA  
 AGCCGTACAAATGCTCCTGAGTGCAGGAAAAGGTTTAGTAATAGCAGTAATTTATCACGCACCAAAGAAC  
 TCATATGAAGGAGAAGCTCTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC218021 representing NM\_181877  
 Red=Cloning site Green=Tags(s)

MMAADIPRVTTPLSSLVQVPQEEDRQEEVTTMILEDSDSWVQEA VLQEDGPESEFPQSAGKGGPQEEVT  
 RGPQGALGRLRELRRWL RPEVHTKEQMLTMLPKEIQAWLQEH RPESSEEAALVEDLTQTLQDSDFEIQ  
 SENGENCNQDMFENESRKIFSEMPEGESAQHSDGESDFERDAGIQR LQGHSPGEDHGEVVSQDREVGQLI  
 GLQGTYLGEKPYECPQCKTF SRKSHLITHTHTGEKYYKCECGKSFSDG SNFSRHRQTHTGEKPYK  
 RDCGKSF SRSANLITHQRIHTGEKPFQCAECGKSF SRSPLIAHQRTHTGEKPYSCPEGKSFGNRSSLN  
 THQGIHTGEKPYECKEGESFSYNSNLIRHQRIHTGEKPYKCTDCGQRF S QSSALITHRRHTHTGEKPYQ  
 SECGKSF SRSNLATHRRTHMVEKPYKCGVCGKSF S QSSSLIAHQGMHTGEKPYECLTCGESFSWSSNLL  
 KHQRIHTGEKPYKCECGKCF SQRSQLV VHQRTHTGEKPYKCLMCGKSF SRGSLVMHQRAHLGDKPYRC  
 PECGKGF SWNSVLIIHQRIHTGEKPYKCECGKGF SNSSNFITHQRTHTMKEKLY

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_181877
<b>ORF Size:</b>	1842 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F7789
<b>Stability:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_181877.3</a> , <a href="#">NP_870992.2</a>
<b>RefSeq Size:</b>	3756 bp
<b>RefSeq ORF:</b>	1845 bp
<b>Locus ID:</b>	54993
<b>UniProt ID:</b>	<a href="#">Q7Z7L9</a>
<b>Cytogenetics:</b>	15q25.2
<b>MW:</b>	69.5 kDa