

Product datasheet for **RC215616A1V**

Human ZnT1 (SLC30A1) (NM_021194) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZnT1 (SLC30A1) (NM_021194) AAV Particle
Tag:	Myc-DDK
Symbol:	ZnT1
Synonyms:	ZNT1; ZRC1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215616 representing NM_021194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTGTGGGGTCGAACCGGGGCGGCTGCTGTGCATGCTGGCGTGACCTTCATGTTTCATGGTGC
 TGGAGGTGGTGGTGAGCCGGGTGACCTCGTCGCTGGCGATGCTCTCCGACTCCTTCCACATGCTGTGGA
 CGTGCTGGCGCTGGTGGTGGCGCTGGTGCCGAGCGCTTCGCCCGGCGGACCCACGCCACCCAGAAGAAC
 ACGTTCGGCTGGATCCGAGCCGAGGTAATGGGGCTCTGGTGAACGCCATCTTCTGACTGGCCTCTGTT
 TCGCCATCCTGCTGGAGGCCATCGAGCGCTTCATCGAGCCGCACGAGATGCAGCAGCCGCTGGTGGTCT
 TGGGGTCGGCGTGGCCGGGCTGCTGGTCAACGTGCTGGGGCTCTGCCTCTTCCACCATCACAGCGGCTTC
 AGCCAGGACTCCGGCCACGGCCACTCGCACGGGGTACGCGCCACGGCCACGGCTCCCCAAGGGGCTTC
 GCGTTAAGAGCACCCGCCCGGGAGCAGCGACATCAACGTGGCCCGGGCGAGCAGGGTCCCAGCCAGGA
 GGAGACCAACACCCTGGTGGCCAATACCAGCAACTCCAACGGGCTGAAATTGGACCCCGAGACCCAGAA
 AACCCAGAAAGTGGTGATACAGTGGAAGTACAAGTGAATGGAAATCTTGTGAGAGAACCTGACCATATGG
 AACTGGAAGAAGATAGGGCTGGACAACCTAACATGCGTGGAGTTTTTCTGCATGTCCTTGGAGATGCCTT
 GGGTTCAGTGATTGTAGTAGTAAATGCCTTAGTCTTTTACTTTTCTTGGAAAGGTTGTTCTGAAGGGAT
 TTTTGTGTGAATCCATGTTTCCCTGACCCTGCAAAGCATTTGTAGAAATAATTAATAGTACTCATGCAT
 CAGTTTATGAGGCTGGTCTTGTCTGGGTGCTATATTTAGATCCAACTCTTGTGTTGTAATGGTTTGTAT
 ACTTCTTTACACAACCTATCCATTACTTAAGGAATCTGCTCTTATTCTTCTACAACTGTTCTTAACAA
 ATTGATATCAGAAATTTGATAAAAGAACTTCGAAATGTTGAAGGAGTTGAGGAAGTTTCATGAATTACATG
 TTTGGCAACTTGTGGAAGCAGAATCATTGCCACTGCTCACATAAAATGTGAAGATCCAACATCATACAT
 GGAGGTGGCTAAACCATTAAGACGTTTTTCATAATCACGGAATTCACGCTACTACCATTACGCTGAA
 TTTGCTAGTGTAGGCTCTAAATCAAGTGTAGTTCCGTGTGAACCTGCCTGCAGAACCCAGTGTGCTTTGA
 AGCAATGTTGTGGGACACTACCACAAGCCCTTCTGAAAGGATGCAGAAAAGACCCAGCAGTTAGCAT
 TTCTTGTTTAGAACTTAGTAACAATCTAGAGAAGAAGCCAGGAGGACTAAAGCTGAAAACATCCCTGCT
 GTTGTGATAGAGATTAACCAATGCCAAACAACCTGAATCATCTTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215616 representing NM_021194
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MGCWGRNRGRLLCMLALTFMFMVLEVVSRTSSLAMLSDSFHMLSDVLALVVALVAERFARRTHATQKN
 TFGWIRAEVGMALVNAIFLTGLCFAILLEAIERFIEPHEMQQPLVVLGVGVAGLLVNLGLCLFHHHSGF
 SQDSGHGSHGGHGHGHLPGKPRVKSTRPGSSDINVAPGEQGPDQEENTLVANTSNSNGLKLDPADPE
 NPRSGDTVEVQVNGNLVREPDHMELEEDRAGQLNMRGVFLHVLGDALGSVIVVVALVFYFSWKGCEGD
 FCVNPCFPDPCKAFVEIINSTHASVYEAGPCWVLYLDPTLCVVMVCILLYTTYPLLKESALILLQTVPKQ
 IDIRNLIKELRNVEGVVEVHELHVWQLAGSRIIATAHIKCEDPTSYMEVAKTIKDVFNHNGIHATTIQPE
 FASVGSKSSVVPCELACRTQCALKQCCGTLQPAPSGKDAEKTPAVSISCLELSNNLEKKPRRTKAENIPA
 VVIEIKNMPNKQPESSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_021194

ORF Size:

1521 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:	<u>NM_021194.2</u>
RefSeq Size:	2034 bp
RefSeq ORF:	1524 bp
Locus ID:	7779
UniProt ID:	<u>Q9Y6M5</u>
Cytogenetics:	1q32.3
MW:	55.1 kDa