

Product datasheet for **RC227957A1V**

Human VMAT1 (SLC18A1) (NM_001142325) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human VMAT1 (SLC18A1) (NM_001142325) AAV Particle
Tag:	Myc-DDK
Symbol:	VMAT1
Synonyms:	CGAT; VAT1; VMAT1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

ORF Nucleotide Sequence:

>RC227957 representing NM_001142325
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCGGACCATTCTGGATGCTCCCCAGCGTTGCTGAAGGAGGGGAGAGCGTCCCGGACGTGGTGC
 TGGTGGTGGTATTTCGTCGCTTTGCTCCTGGACAACATGCTGTTTACTGTGGTGGTGCCAATTGTGCCAC
 CTTCTATATGACATGGAGTTCAAAGAAGTCAACTCTTCTCTGCACCTCGGCCATGCCGGAAGTCCCCA
 CATGCCCTCGCCTCTCCTGCCTTTCCACCATCTTCTCCTTCTCAACAACAACACCGTGGCTGTGAAG
 AAAGCGTACCTAGTGAATAGCATGGATGAATGACACTGCCAGCACCATCCACCTCCAGCCACTGAAGC
 CATCTCAGTCAAAAAACAACCTGTTGCAAGGCACAGTTTCTTGGAGGAAGAGATTACCCGGTGGG
 GTTCTGTTGCTTCAAAGGCTGTGATGCAACTCTGGTCAACCCATTCTGGGCCCTCTACCAACAGGA
 TTGGATATCATATCCCATGTTTGTGGCTTTGTATCATGTTTCTCCACAGTTATGTTTGTCTTTTC
 TGGGACCTATACTCTACTCTTTGTGGCCGAACCTTCAAGGCATTGGATCTTCATTTTCATCTGTTGCA
 GGTCTTGGAAATGCTGGCCAGTGTCTACACTGATGACCATGAGAGAGGACGAGCCATGGGAAGTCTGCTGG
 GGGCCTGGCCTTGGGGTTGCTGGTGGGAGCTCCCTTTGGAAGTGAATGTACGAGTTTGTGGGAAGTC
 TGCACCCTTCTCATCTGGCCTTCTGGCACTACTGGATGGAGCACTCCAGCTTTGCATCCTACAGCCT
 TCCAAAGTCTCTCTGAGAGTGCCAAGGGGACTCCCCTCTTATGCTTCTCAAAGACCCTTACATCCTGG
 TGGCTGCAGGGTCCATCTGCTTTGCCAACATGGGGTGGCCATCTGGAGCCACACTGCCCATCTGGAT
 GATGCAGACCATGTGCTCCCCAAGTGGCAGCTGGGTCTAGCTTCTTGCCTGCCAGTGTGCTCTACCTC
 ATTGGCACCAACTCTTTGGTGTGTTGGCCAACAAGATGGTCCGTGGCTGTGTTCCCTAATCGGGATGC
 TGGTAGTAGTACCAGCTTGTCTGTCTCTGGCTCACAATATTTTTGGTCTCATTGGCCCCAATGC
 AGGGCTTGGCCTTGCCATAGGCATGGTGGATTCTTCTATGATGCCCATCATGGGCACCTGGTGGATCTA
 CGCCACACCTCGGTGTATGGGAGTGTCTACGCCATCGCTGATGTGGCTTTTGCATGGGCTTTGCTATAG
 GCTATTCTGAGTCAAGTCTGCCCCATGGAGACCCGGATGTATGCAACCCAGAAGCCACGAAAGGAATTC
 CTCTGGGGGAGGACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227957 representing NM_001142325
 Red=Cloning site Green=Tags(s)

MLRITILDAPQRLLKEGRASRQLVLVVVFVALLLDNMLFTVVVPIVPTFLYDMEFKEVNSSLHLGHAGSSP
 HALASPAFSTIFSFNNNTVAVEESVPSGIAMMNDTASTIPPPATEAISAHKNNCLQGTGFLEEEITRVG
 VLFASKAVMQLLVNPFVGPLTNRIGYHIPMAGFVIMFLSTVMFAFSGYTLLFVARTLQIGSSFSSVA
 GLGMLASVYTDHERGRAMGTALGGLALGLLVGAPFGSVMYEFVGKSAPFLILAFALLDQALQCLILQP
 SKVSPESAKGTPLFMLLKDPYILVAAGSICFANMGVAILEPTLPIMMMQTMCSPKWQLGLAFLPASVSYL
 IGTNLFVLANKMGRWLCSLIGMLVVGTSLLCVPLAHNIFGLIGPNAGLGLAIGMVDSSMMPIMGHLVDL
 RHTSVYGSVYAIADVAFCMGAIGYSESGLPHGDPDVCNPEAHEGISSGGGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001142325

ORF Size:

1416 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_001142325.1</u> , <u>NP_001135797.1</u>
RefSeq ORF:	1419 bp
Locus ID:	6570
UniProt ID:	<u>P54219</u>
Cytogenetics:	8p21.3
MW:	49.8 kDa