

Product datasheet for **RC222696A1V**

Human Glucose Transporter GLUT1 (SLC2A1) (NM_006516) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glucose Transporter GLUT1 (SLC2A1) (NM_006516) AAV Particle
Tag:	Myc-DDK
Symbol:	Glucose Transporter GLUT1
Synonyms:	CSE; DYT9; DYT17; DYT18; EIG12; GLUT; GLUT-1; GLUT1; GLUT1DS; HTLVR; PED; SDCHCN
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222696 representing NM_006516
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCCAGCAGCAAGAAGCTGACGGTTCGCTCATGCTGGCCGTGGGAGGAGCAGTCTGGCTCCC
 TGCAGTTTGGCTACAACACTGGAGTCATCAATGCCCCAGAAAGGTGATCGAGGAGTTCTACAACAGAC
 ATGGGTCCACCGCTATGGGGAGAGCATCCTGCCACCACGCTCACCACGCTCTGGTCCCTCAGTGCC
 ATCTTTTCTGTTGGGGCATGATTGGCTCCTTCTCTGTGGCCTTTTCGTTAACCGCTTTGGCCGGCA
 ATTCAATGCTGATGATGAACCTGCTGGCCTTCGTGCCCGTGTCTATGGGCTTCTCGAAACTGGCAA
 GTCCTTTGAGATGCTGATCCTGGGCCGCTTCATCATCGGTGTGTACTGCGGCCTGACCACAGGCTTCGTG
 CCCATGTATGTGGTGAAGTGCACCCACAGCCCTTCGTGGGGCCCTGGGCACCCTGCACCAGCTGGGCA
 TCGTCGTCGGCATCCTCATCGCCAGGTGTTCCGCTGGACTCCATCATGGCAACAAGGACCTGTGCC
 CCTGCTGCTGAGCATCATCTTCATCCCGCCCTGCTGCAGTGCATCGTGTGCCCTTCGCCCGAGAGT
 CCCCCTTCCTGCTCATCAACCGCAACGAGGAGAACCAGGCAAGAGTGTGCTAAAGAAGCTGCGCGGA
 CAGCTGACGTGACCCATGACCTGCAGGAGATGAAGGAAGAGAGTCGCGCAGATGATGCGGGAGAAGAGGT
 CACCATCCTGGAGCTGTTCCGCTCCCCCGCTACCGCCAGCCATCCTCATCGCTGTGGTGTGCAGCTG
 TCCCAGCAGCTGTCTGGCATCAACGCTGTCTTCTATTACTCCACGAGCATCTTCGAGAAGCGGGGGTGC
 AGCAGCCTGTGTATGCCACCATTTGGCTCCGGTATCGTCAACACGGCCTTCACTGTGCTGCTGTTGT
 GGTGGAGCGAGCAGGCCGGCGGACCCTGCACCTCATAGGCTCGCTGGCATGGCGGGTTGCCATACTC
 ATGACCATCGCGCTAGCACTGCTGGAGCAGTACCCTGGATGTCTATCTGAGCATCGTGGCCATCTTTG
 GCTTTTGGCCTTCTTTGAAGTGGTCTGGCCCATCCATGGTTTCATCGTGGCTGAACCTTTCAGCA
 GGGTCCACGTCACGCTGCCATTGCCGTTGCAGGCTTCTCCAACCTGGACCTCAAATTTTCATTGTGGGCATG
 TGCTTCCAGTATGTGGAGCAACTGTGTGGTCCCTACGTCTTCATCATCTTCACTGTGCTCCTGGTCTGT
 TCTTTCATCTTACCTACTTCAAAGTTCTGAGACTAAAGGCCGGACCTTCGATGAGATCGCTTCCGGCTT
 CCGGCAGGGGGAGCCAGCCAAAGTGACAAGACACCCGAGGAGCTGTTCCATCCCCTGGGGGCTGATTCC
 CAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222696 representing NM_006516
 Red=Cloning site Green=Tags(s)

MEPSSKLTGRLMLAVGGAVLGSQFGYNTGVINAPQKVIIEFYNTWVHRYGESILPTLTTLSLSVA
 IFSVGGMIGSFSVGLFVNRFGRNRSMLMMNLLAFVSAVLMGFSKLGKSFEMILGRFIIGVYCGLTTFV
 PMYVGEVSPTALRGALGTLHQLGIVVGIILIAQVFLDSIMGNKDLWPLLSIIFIPALLQCVLPFCPE
 PRFLINRNEENRAKSVLKKLRGTADVTHDLQEMKEESRQMMREKKVTILELFRSPAYRQPILIAVVLQ
 SQQLSGINAVFYSTSI FEKAGVQPVYATIGSGIVNTAFTVVSFLVVERAGRRTLHLIGLAGMAGCAIL
 MTIALALLEQLPWMSYLSIVAFVGFVAFVFEVGPPIPWFIVAELFSQGPRPAAIIVAGFSNWNFSNFIVGM
 CFQYVEQLCGPYVFIIFTVLLVLFIFTYFKVPETKGRTFDEIASGFRQGGASQSDKTPPEELFHPLGADS
 QV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_006516

ORF Size:

1476 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_006516.1</u>
RefSeq Size:	2856 bp
RefSeq ORF:	1479 bp
Locus ID:	6513
UniProt ID:	<u>P11166</u>
Cytogenetics:	1p34.2
MW:	53.9 kDa