

## Product datasheet for **RC200418A1V**

### Human Glucose Transporter 5 GLUT5 (SLC2A5) (NM\_003039) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Glucose Transporter 5 GLUT5 (SLC2A5) (NM_003039) AAV Particle
Tag:	Myc-DDK
Symbol:	Glucose Transporter 5 GLUT5
Synonyms:	GLUT-5; GLUT5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC200418 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCAACAGGATCAGAGCATGAAGGAAGGGAGGCTGACGCTTGTGCTTGCCTGGCAACCCATGATAG  
 CTGCCTTTGGGTCATCCTTCCAGTATGGGTACAACGTGGCTGCTGTCAACTCCCCAGCACTGCTCATGCA  
 ACAATTTTACAATGAGACTTACTATGGTAGGACCGGTGAATTCATGGAAGACTTCCCCTTGACGTTGCTG  
 TGGTCTGTAACCGTGTCCATGTTTCCATTTGGAGGTTTATCGGATCCCTCCTGGTCGGCCCCCTGGTGA  
 AATAATTTGGCAGAAAAGGGCCTTGTGTTCAACAACATATTTTCTATCGTGCCTGCGATCTTAATGGG  
 ATGCAGCAGAGTCGCCACATCATTTGAGCTTATCATTATTTCCAGACTTTTGGTGGGAATATGTGCAGGT  
 GTATCTCCAACGTGGTCCCATGTACTTAGGGGAGCTGGCCCCATAAAACCTGCGGGGGCTCTCGGGG  
 TGGTCCCCAGCTCTTCATCACTGTTGGCATCCTTGTGGCCAGATCTTGGTCTTCGGAATCTCCTTGC  
 AAACGTAGATGGCTGGCCGATCCTGCTGGGGCTGACCGGGTCCCCGCGCGCTGCAGCTCCTTCTGCTG  
 CCCTTCTTCCCGAGAGCCCCAGGTACCTGCTGATTAGAAAGAAAGACGAAGCGGCCCAAGAAAGCCC  
 TACAGACGCTGCGCGGCTGGGACTCTGTGGACAGGGAGGTGGCCGAGATCCGGCAGGAGGATGAGGCAGA  
 GAAGGCCCGGGCTTTCATCTCCGTGCTGAAGCTGTTCCGGATGCGCTCGCTGCGTGGCAGCTGTGTCC  
 ATCATCGTCTCATGGGCGGCCAGCAGCTGTGGGCGTCAACGCTATCTACTACTACGCGGACCAGATCT  
 ACCTGAGCGCCGGCGTGGCGGAGGAGCAGTGCAGTACGTGACGGCCGGCACCAGGGGCGGTGACGTGGT  
 CATGACCTTCTGCGCCGTGTTTCGTGGTGGAGCTCCTGGGTGGAGGCTGCTGCTGCTGCTGGGCTTCTCC  
 ATCTGCCTCATAGCCTGCTGCGTGCCTCACTGCAGCTCTGGCACTGCAGGACACAGTGTCTGGATGCCAT  
 ACATCAGCATCGTCTGTGCATCTCCTACGTCATAGGACATGCCCTCGGGCCAGTCCCATACCCGCGCT  
 GCTCATCACTGAGATCTTCTGCACTCCTCTCGCCATCTGCCTTCATGGTGGGGGCGAGTGTGCACTGG  
 CTCTCCAACTTACCCTGGGCTTGTATCTTCCGTTTCATCCAGGAGGGCCTCGGCCGTACAGCTTATTG  
 TCTTCGCGTGTCTGCCTCCTCACCACATCTACATCTTCTTATTGTCGCGGAGACCAAGGCCAAGAC  
 GTTCATAGAGATCAACCAGATTTTACCAAGATGAATAAGGTGTCTGAAGTGTACCCGAAAAGGAGGAA  
 CTGAAAGAGCTTCCACCTGCTCACTTCGGAACAG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200418 protein sequence  
 Red=Cloning site Green=Tags(s)

MEQQDQSMKEGRLTLVLALATLIAAFGSSFYQYGNVAAVNSPALLMQQFYNETYYGRTGEFMEDFPLTLL  
 WSVTVSMFPPGGFIGSLLVGPLVKNFGRKGALLFNNIFSI VPAILMGCSRVA TSFELIIISRLLVGICAG  
 VSSNVVPMYLGELAPKNLRGALGVVPQLFITV GILVAQIFGLRNLLANVDGWPILLGLTG VPAALQLLLL  
 PFFPESPRYLLIQKKDEAAAKKALQTLRGWDSVDREVAEIRQEDEAEKAAGFISVLKLFMRSLRWQLLS  
 IIVLMGGQQLSGVNAIYYYADQIYLSAGVPEEHVQYV T AGTGA VNVVMTFCAVFVVELLGRLLLLLGF S  
 ICLIAACVLTAAALALQD TVSWMPYISIVCVISYVIGHALGSP IPALLITEIFLQSSRPSAFMVGGSVHW  
 LSNFTVGLIFPFIQEGLGPYSFIVFAVICLLTTIYIFLIVPETKAKTFIEINQIFTKMNVSEVYPEKEE  
 LKELPPVTSEQ

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_003039

**ORF Size:**

1503 bp

<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<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>	<u><a href="#">NM_003039.1</a></u>
<b>RefSeq Size:</b>	2454 bp
<b>RefSeq ORF:</b>	1506 bp
<b>Locus ID:</b>	6518
<b>UniProt ID:</b>	<u><a href="#">P22732</a></u>
<b>Cytogenetics:</b>	1p36.23
<b>MW:</b>	55 kDa