

## Product datasheet for **RC220625A1V**

### Human Glucose 6 Phosphate Dehydrogenase (G6PD) (NM\_000402) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_000402) AAV Particle
Tag:	Myc-DDK
Symbol:	Glucose 6 Phosphate Dehydrogenase
Synonyms:	G6PD1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC220625 representing NM\_000402  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCCGGCGGGCTCAGCCCCGAAACGGTCTACACTTCGGGGCTGCGAGCGCGGAGGGCGACGAC  
 GACGAAGCGCAGACAGCGTCATGGCAGAGCAGGTGGCCCTGAGCCGACCCAGGTGTGCGGGATCCTGCG  
 GGAAGAGCTTTCCAGGGCGATGCCTTCCATCAGTCGGATACACACATATTCATCATCATGGGTGCATCG  
 GGTGACCTGGCCAAGAAGAAGATCTACCCACCATCTGGTGGCTGTTCCGGGATGGCCTTCTGCCGAAA  
 ACACCTTCATCGTGGCTATGCCGTTCCCGCTCACAGTGGCTGACATCCGCAAACAGAGTGAGCCCTT  
 CTTCAAGGCCACCCAGAGGAGAAGCTCAAGCTGGAGGACTTCTTTGCCGCAACTCCTATGTGGCTGGC  
 CAGTACGATGATGCAGCCTCTACCAGCGCTCAACAGCCACATGAATGCCCTCCACCTGGGGTACAGG  
 CCAACCGCTCTTCTACCTGGCCTTCCCCCGACCGTCTACGAGGCCGTACCAAGAACATTCACGAGTC  
 CTGCATGAGCCAGATAGGCTGGAACCGCATCATCGTGGAGAAGCCCTTCGGGAGGGACCTGCAGAGCTCT  
 GACCGGTGTCCAACCACATCTCTCCCTGTTCCGTGAGGACCAGATCTACCGCATCGACCACTACCTGG  
 GCAAGGAGATGGTGCAGAACCTCATGGTGTGAGATTTGCCAACAGGATCTTCGGCCCCATCTGGAACCG  
 GGACAACATCGCTGCGTTATCCTCACCTTCAAGGAGCCCTTTGGCACTGAGGGTTCGCGGGGGCTATTT  
 GATGAATTTGGGATCATCCGGGACGTGATGCAGAACCACTACTGCAGATGCTGTGTCTGGTGGCCATGG  
 AGAAGCCCGCTCCACCAACTCAGATGACGTCCTGATGAGAAGTCAAGGTGTTGAAATGCATCTCAGA  
 GGTGCAGGCCAACATGTGGTCTGGCCAGTACGTGGGAACCCCGATGGAGAGGGCGAGGCCACCAAA  
 GGTACCTGGACGACCCACGGTCCCCCGGGTCCACCACCGCCACTTTTGCAGCCGTCTCTCTATG  
 TGGAAATGAGAGGTGGATGGGTGCCCTTTCATCCTGCGCTGCGGCAAGGCCCTGAAACGAGCGCAAGGC  
 CGAGGTGAGGCTGCAGTTCCATGATGTGGCCGGGACATCTTCCACCAGCAGTGAAGCGCAACGAGCTG  
 GTGATCCGCGTGCAGCCAACGAGGCCGTGTACACCAAGATGATGACCAAGAAGCCGGGATGTTCTTCA  
 ACCCCGAGGAGTCGGAGCTGGACCTGACCTACGGCAACAGATACAAGAAGCTGAAGCTCCTGACGCTA  
 CGAGCGCTCATCTGGACGTCTTCTGCGGGAGCCAGATGCACTTCGTGCGCAGCGACGAGCTCCGTGAG  
 GCCTGGCGTATTTTACCCCACTGCTGCACCAGATTGAGCTGGAGAAGCCCAAGCCCATCCCTATATTT  
 ATGGCAGCCGAGGCCACGGAGGCAGACGAGCTGATGAAGAGAGTGGGTTTCCAGTATGAGGGCACCTA  
 CAAGTGGTGAACCCCAAGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC220625 representing NM\_000402  
 Red=Cloning site Green=Tags(s)

MGRRSAPGNRTRLGRCERGGRRRRSADSVMAEQVALSRTQVCGILREELFQGDFAHQSDTHIFIIMGAS  
 GDLAKKKIYPTIWWLFRDGLLPENTFIVGYARSRLTVADIRKQSEPFKATPEEKLKLEDFFARNSYVAG  
 QYDDAASYQRLNSHMNALHLGSQLNRLFYLALPPTVYEAATKNIHESCMSQIGWNRIIVEKPFGRDLQSS  
 DRLSNHISLFRDQIYRIDHYLGKEMVQNLMLVRFANRIFGPIWNRDNIACVILTFKEPFGTEGRGGYF  
 DEFGIIRDVMQNHLQLMLCLVAMEKPASTNSDDVRDEKVKVLCI SEVQANNVVLGQYVGNPDGEATEK  
 GYLDDPTVPRGTTATFAAVVLYVENERWDGVPFILRCGKALNERKAEVRLQFHDVAGDIFHQCKRNL  
 VIRVQPNQAVYTKMMTKKPGMFFNPEESELDTYGNRYKNVLPDAYERLILDVFCGSQMHFVRSDELRE  
 AWRIFTPLLHQIELEKPKPIPIYIYGRGPTAEDELMKRVGFQYEGTYKWNPHKL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_000402

<b>ORF Size:</b>	1635 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_000402.3</a></u> , <u><a href="#">NP_000393.4</a></u>
<b>RefSeq Size:</b>	2395 bp
<b>RefSeq ORF:</b>	1638 bp
<b>Locus ID:</b>	2539
<b>UniProt ID:</b>	<u><a href="#">P11413</a></u>
<b>Cytogenetics:</b>	Xq28
<b>MW:</b>	62.3 kDa