

Product datasheet for **RC201807A1V**

Human Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_001042351) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glucose 6 Phosphate Dehydrogenase (G6PD) (NM_001042351) AAV Particle
Tag:	Myc-DDK
Symbol:	Glucose 6 Phosphate Dehydrogenase
Synonyms:	G6PD1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201807 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGAGCAGGTGGCCCTGAGCCGGACCCAGGTGTGCGGGATCCTGCGGGAAGAGCTTTCCAGGGCG
 ATGCCTTCCATCAGTCGATACACACATATTCATCATCATGGGTGCATCGGGTGACCTGGCCAAGAAGAA
 GATCTACCCACCATCTGGTGGCTGTTCCGGGATGGCCTTCTGCCGAAAAACACCTTCATCGTGGGCTAT
 GCCCGTTCGGCCTCACAGTGGCTGACATCCGCAACAGAGTGAGCCCTTCTCAAGGCCACCCAGAGG
 AGAAGCTCAAGCTGGAGGACTTCTTGGCCGAACTCCTATGTGGCTGGCCAGTACGATGATGCAGCCTC
 CTACCAGCGCCTCAACAGCCACATGAATGCCCTCCACCTGGGGTACAGGCCAACCGCTCTTCTACCTG
 GCCTTGGCCCGACCGTCTACGAGGCCGTACCAAGAATTACGAGTCTGCATGAGCCAGATAGGCT
 GGAACCGCATCATCGTGGAGAAGCCCTTCGGGAGGGACCTGCAGAGCTCTGACCGGCTGTCCAACCAT
 CTCCTCCCTGTTCCGTGAGGACAGATCTACCGCATCGACCACTACCTGGCAAGGAGATGGTGCAGAAC
 CTCATGTGTCTGAGATTTGCCAACAGGATCTTCGGCCCATCTGGAACCGGGACAACATCGCCTGCGTTA
 TCCTCACCTTCAAGGAGCCCTTTGGCACTGAGGGTTCGCGGGGGCTATTCGATGAATTTGGGATCATCCG
 GGACGTGATGCAGAACCACTACTGCAGATGCTGTGTCTGGTGCCATGGAGAAGCCCGCTCCACCAAC
 TCAGATGACGTCCGTGATGAGAAGGTCAAGGTGTTGAAATGCATCTCAGAGGTGCAGGCCAACATGTGG
 TCCTGGGCCAGTACGTGGGAACCCCGATGGAGAGGGCGAGGCCACCAAGGGTACCTGGACGACCCAC
 GGTGCCCGCGGGTCCACCACCGCCACTTTGCAGCCGTCGTCTCTATGTGGAGAATGAGAGGTGGGAT
 GGGGTGCCCTTCATCTGCGCTGCGGCAAGGCCCTGAACGAGCGCAAGGCCGAGGTGAGGCTGCAGTTCC
 ATGATGTGGCCGGCGACATCTTCCACCAGCAGTGCAAGCGCAACGAGCTGGTATCCGCGTGCAGCCAA
 CGAGGCCGTGTACACCAAGATGATGACCAAGAAGCCGGGCATGTTCTTCAACCCGAGGAGTCGGAGCTG
 GACCTGACCTACGGCAACAGATACAAGAACGTGAAGCTCCCTGACGCCTATGAGCGCCTCATCTGGACG
 TCTTCTGCGGGAGCCAGATGCACTTCGTGCGCAGCGACGAGCTCCGTGAGGCCTGGCGTATTTTACCCC
 ACTGCTGCACCAGATTGAGCTGGAGAAGCCCAAGCCCATCCCCTATATTTATGGCAGCCGAGGCCCCACG
 GAGGCAGACGAGCTGATGAAGAGAGTGGGTTTCCAGTATGAGGGCACCTACAAGTGGGTGAACCCCAACA
 AGCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201807 protein sequence
 Red=Cloning site Green=Tags(s)

MAEQVALSRTQVCGILREELFQGDFAHQSDTHIFIIMGASGDLAKKKIYPTIWWLFRDGLLPENTFIVGY
 ARSRLTVADIRKQSEPFKATPEEKLKLEDFFARNISYVAGQYDDAASYQRLNSHMNALHLGSQANRLFYL
 ALPPTVYEAVTKNIHESCMSQIGWNRIIVEKPFGRDLQSSDRLSNHISSLFREDQIYRIDHYLGKEMVQN
 LMLRFANRIFGPIWNRDNIACVILTFKEPFGTEGRGGYFDEFGIIRDVMQNHLLQMLCLVAMEKPASTN
 SDDVRDEKVKVLKCISEVQANNVVLGQYVGNPDGEGEATKGYLDDPTVPRGSTTATFAAVVLYVENERWD
 GVPFILRCGKALNERKAEVRLQFHDVAGDIFHQCKRNLVIRVQPNEAVYTKMMTKPGMFFNPPEESEL
 DLTGYNRYKNVLPDAYERLILDVFCGSMHFVRSDELREAWRIFTPLHQQIELEKPKPIPIYISRGPT
 EADELMKRVGFQYEGTYKWNPHKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001042351

ORF Size:

1545 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_001042351.1</u>
RefSeq Size:	2295 bp
RefSeq ORF:	1548 bp
Locus ID:	2539
UniProt ID:	<u>P11413</u>
Cytogenetics:	Xq28
MW:	59.3 kDa