

Product datasheet for **RC201232A1V**

Human Glucose 6 phosphate isomerase (GPI) (NM_000175) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glucose 6 phosphate isomerase (GPI) (NM_000175) AAV Particle
Tag:	Myc-DDK
Symbol:	Glucose 6 phosphate isomerase
Synonyms:	AMF; GNPI; NLK; PGI; PHI; SA-36; SA36
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201232 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCGCTCTCACCCGGGACCCCAAGTTCAGAAGCTGCAGCAATGGTACCGCGAGCACCGCTCCGAGC
 TGAACCTGCGCCGCTCTTCGATGCCAACAAGGACCGCTTCAACCACTTCAGCTTGACCTCAACACCAA
 CCATGGGCATATCCTGGTGGATTACTCCAAGAAGCTGGTGACGGAGGACGTGATCGGGATGCTGGTGGAC
 TTGGCCAAGTCCAGGGCGTGGAGGCCCGGGAGCGGATGTTCAATGGTGAGAAGATCAACTACACCG
 AGGGTCGAGCCGTGCTGCACGTGGCTCTGCGGAACCGGTCAAACACACCCATCCTGGTAGACGGCAAGGA
 TGTGATGCCAGAGGTCAACAAGTTCTGGACAAGATGAAGTCTTCTGCCAGCGTGTCCGGAGCGGTGAC
 TGAAGGGGTACACAGGCAAGACCATCACGGACGTATCAACATTGGCATTGGCGGCTCCGACCTGGGAC
 CCCTCATGGTGACTGAAGCCCTTAAGCCATACTCTTCAGGAGGTCCCCGCGTCTGGTATGTCTCAACAT
 TGATGGAACCTCACATTGCCAAAACCTGGCCAGCTGAACCCCGAGTCTCCCTGTTTCATATTGCTCC
 AAGACCTTTACTACCCAGGAGACCATCACGAATGCAGAGACGGCGAAGGAGTGGTTTCTCCAGGCGGCCA
 AGGATCCTTCTGCAGTGGCGAAGCACTTTGTTGCCCTGTCTACTAACACAACCAAGTGAAGGAGTTTGG
 AATTGACCCTCAAAACATGTTTCGAGTTCTGGGATTGGGTGGGAGGACGCTACTCGCTGTGGTCCGCCATC
 GGACTCTCCATTGCCCTGCACGTGGGTTTTGACAACTTCGAGCAGCTGCTCTCGGGGCTCACTGGATGG
 ACCAGCACTTCCGACGACGCCCTGGAGAAGAACGCCCCGCTTGTGGCCCTGCTGGGTATCTGGTA
 CATCAACTGCTTTGGGTGTGAGACACACGCCATGTGTCCTATGACCAGTACCTGCACCGCTTTGCTGCG
 TACTTCCAGCAGGGCGACATGGAGTCCAATGGGAAATACATCACCAAATCTGGAACCCGTGTGGACCACC
 AGACAGGCCCATTTGTGTGGGGGAGCCAGGACCAATGGCCAGCATGCTTTTACCAGCTCATCCACCA
 AGGCACCAAGATGATACCCTGTGACTTCTCATCCCGGTCCAGACCCAGCACCCCATACGGAAGGGTCTG
 CATCACAAAGATCCTCCTGGCCAACCTTCTGGCCAGACAGAGGCCCTGATGAGGGGAAAAATCGACGGAGG
 AGGCCCCGAAAGGAGCTCCAGGCTGCGGGCAAGAGTCCAGAGGACCTTGAGAGGCTGCTGCCACATAAGGT
 CTTTGAAGGAAATCGCCCAACCAACTCTATTGTGTTACCAAGCTCACACCATTATGCTTGGAGCCTTG
 GTCGCCATGTATGAGCACAAGATCTTCGTTAGGGCATCATCTGGGACATCAACAGCTTTGACCACTGGG
 GAGTGGAGCTGGGAAAGCAGCTGGCTAAGAAAATAGAGCCTGAGCTTGATGGCAGTGCTCAAGTGACCTC
 TCACGACGCTTACCAATGGGCTCATCAACTTCATCAAGCAGCAGCGGAGGCCAGAGTCCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201232 protein sequence
 Red=Cloning site Green=Tags(s)

MAALTRDPQFQKLQQWYREHRSELNLRRLFDANKDRFNHFSLTNTNHHGILVDYSKNLVTEDVMRMLVD
 LAKSRGVEAARERMFNGEKINYTEGRAVLHVALRNRSNTPILVDGKDVMEVNVLDKMSFCQVRVSGD
 WKGYTGKTIIDVINIGIGGSDLGPLMVTEALKPYSSGGPRVWYVSNIDGTHIAKTLAQLNPRESSLFIIAS
 KTFTTQETITNAETAKEWFLQAAKDPSAVAKHFVALSTNTTKVKEFGIDPQNMFEFWDWVGGRYSLWSAI
 GLSIALHVGFDFEQLLSGAHWMDQHFRTTPEKNAAPVLLALLGIWYINFCGETHAMLPYDQYLHRFAA
 YFQQGDMESNGKYITKSGTRVDHQTGPIVWGEPTNGQHAFYQLIHQGTKMIPCDFLIPVQTQHPKRL
 HHKILLANFLAQTEALMRGKSTEEARKELQAAGKSPEDLERLLPHKVFEGNRPNTSIVFTKLTPFMLGAL
 VAMYEHKIFVQGIWDINSFDQWGVELGKQLAKKIEPELDGSAQVTSHDASTNGLINFIKQREARVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000175

ORF Size:	1674 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_000175.2</u>
RefSeq Size:	4212 bp
RefSeq ORF:	1677 bp
Locus ID:	2821
UniProt ID:	<u>P06744</u>
Cytogenetics:	19q13.11
MW:	63.1 kDa