

Product datasheet for **RC230292A1V**

Human Glucose 6 phosphate isomerase (GPI) (NM_001184722) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glucose 6 phosphate isomerase (GPI) (NM_001184722) AAV Particle
Tag:	Myc-DDK
Symbol:	GPI
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:

>RC230292 representing NM_001184722
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTAGCTCTCTGCAGCCTCCAACACCTGGGCTCCAGTGATCCCCGGGCTCTGCCACCCTCCCCACTG
 CCACTTCCGGGCAGAGGCCAGCAAAGCGCGGCCGAAGAGTCCCGCCATGGCCGCTCTCACCCGGGACCC
 CCAGTTCAGAAAGCTGCAGCAATGGTACCGCGAGCACCGCTCCGAGCTGAACCTGCGCCGCCCTCTTCGAT
 GCCAACAGGACCGCTTCAACCACTTACGTTGACCTCAACACCAACCATGGGCATATCCTGGTGGATT
 ACTCCAAGAACCTGGTGACGGAGGACGTGATGCGGATGCTGGTGGACTTGGCCAAGTCCAGGGGCGTGGA
 GGCCGCCCGGGAGCGGATGTTCAATGGTGAGAAGATCACTACACCGAGGGTCGAGCCGTGCTGCACGTG
 GCTCTGCGGAACCGGTCAAACACACCCATCCTGGTAGACGGCAAGGATGTGATGCCAGAGGTCAACAAGG
 TTCTGGACAAGATGAAGTCTTCTGCCAGGGACCCCTCATGGTGAAGCCCTTAAGCCATACTTTC
 AGGAGGTCCCCGCGTCTGGTATGTCTCAACATTGATGGAACCTCACATTGCCAAAACCTGGCCAGCTG
 AACCCCGAGTCTCCCTGTTTCATCATTGCTCCAAGACCTTTACTACCCAGGAGACCATCACGAATGCAG
 AGACGGCGAAGGAGTGGTTTCTCCAGGCGGCCAAGGATCCTTCTGCAGTGGCGAAGCACTTTGTTGCCCT
 GTCTACTAACACAACCAAAGTGAAGGAGTTTGAATTGACCTCAAAACATGTTGAGTTCTGGGATTGG
 GTGGGAGGACGCTACTCGCTGTGGTTCGGCCATCGGACTCTCCATTGCCCTGCACGTGGGTTTGAACACT
 TCGAGCAGCTGCTCTCGGGGGCTCACTGGATGGACAGCACTTCCGCACGACGCCCTGGAGAAGAACGC
 CCCCCTTGTGTCGGCCGTGCTGGGTATCTGGTACATCACTGCTTGGGTGTGAGACACACGCCATGCTG
 CCCTATGACCAAGTACCTGCACCGCTTTGCTGCTACTTCCAGCAGGGCGCATGGAGTCCAATGGGAAAT
 ACATACCAAATCTGGAACCCGTGTGGACCAACAGACAGGCCCCATTGTGTGGGGGAGCCAGGGACCAA
 TGGCCAGCATGCTTTTTACCAGCTCATCCACCAAGGCACCAAGATGATACCCTGTGACTTCCTCATCCCG
 GTCCAGACCCAGCACCCCATACGGAAGGTCTGCATCACAAGATCCTCCTGGCCAACCTTCTGGCCGAGA
 CAGAGGCCCTGATGAGGGGAAAATCGACGGAGGAGGCCGAAAGGAGTCCAGGCTGCGGGCAAGAGTCC
 AGAGGACCTTGAGAGGCTGTGCCACATAAGGTCTTTGAAGGAAATCGCCCAACCAACTATTGTGTTT
 ACCAAGCTCACACCATTCATGCTTGGAGCCTTGGTGCCTGTATGAGCACAAGATCTTCGTTACGGGCA
 TCATCTGGGACATCAACAGCTTTGACCAAGTGGGAGTGGAGCTGGGAAAGCAGCTGGCTAAGAAAATAGA
 GCCTGAGCTTGATGGCAGTGTCAAGTGACCTCTCACGACGCTTCTACCAATGGGCTCATCAACTTCATC
 AAGCAGCAGCGCGAGGCCAGAGTCCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MVALCSLQHLGSSDPRLPTLPTATSGQRPARRRSPAMAALTRDPQFQKLQQWYREHRSELNLRRLFD
 ANKDRFNHFSLTNTNHGHILVDYSKNLVTEVMRMLVDLAKSRGVEAARERMFNGEKINYTEGRAVLHV
 ALRNRNSTPILVDGKDVMEVNKVLDMKSFCQGPLMVTEALKPYSSGGPRVWVYSNIDGTHIAKTLAQL
 NPESLSLFIASKTFTTQETITNAETAKEWFLQAAKDPSAVAKHFVALSTNTTKVKEFGIDPQNMFEFWDW
 VGGRYSLWSAIGLSIALHVGFDNFEQLLSGAHWMDQHFRTTPEKNAPVLLALLGIWYINCFGCETHAML
 PYDQYLHRFAAYFQQGDMEISNGKYITKSGTRVDHQTGPIVWGEPTNGQHAFYQLIHQGTKMIPCDFLIP
 VQTQHPIRKGLHHKILLANFLAQTEALMRGKSTEEARKELQAAGKSPEDLERLLPHKVFEGNRPTNSIVF
 TKLTPFMLGALVAMYEHKIFVQGIWDINSFDQWGVELGKQLAKKIEPELDGSAQVTSHDASTNGLNFI
 KQREARVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_001184722
ORF Size:	1707 bp
Buffer:	PBS with 0.001% Pluronic F9650
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_001184722.1</u> , <u>NP_001171651.1</u>
RefSeq ORF:	1710 bp
Locus ID:	2821
UniProt ID:	<u>P06744</u>
Cytogenetics:	19q13.11
MW:	64.8 kDa