

Product datasheet for **RC206538A1V**

Human Glycerol 3 Phosphate Dehydrogenase (GPD1) (NM_005276) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Glycerol 3 Phosphate Dehydrogenase (GPD1) (NM_005276) AAV Particle
Tag:	Myc-DDK
Symbol:	Glycerol 3 Phosphate Dehydrogenase
Synonyms:	GPD-C; GPDH-C; HTGTI
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC206538 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGCTAGCAAGAAAGTCTGCATTGTAGGCTCCGGAACTGGGGCTCAGCCATCGCCAAGATCGTGGGTG
GCAATGCAGCCCAGCTGGCACAGTTTGACCCACGGGTGACCATGTGGGTATTTGAGGAAGACATTGGAGG
CAAAAAGCTGACTGAGATCATCAACACGCAGCATGAGAATGTCAAATACCTGCCAGGGCACAAGTTGCC
CCAAATGTGGTGGCTGTCCAGATGTGGTCCAGGCTGCAGAGGATGCTGACATCCTGATCTTTGTGGTGC
CCCATCAGTTTCATCGGCAAGATCTGTGACCAGCTCAAGGGCCATCTGAAGGCAAACGCCACTGGCATATC
TCTTATTAAGGGGGTAGACGAGGGCCCCAATGGGCTGAAGCTCATCTCGGAAGTGATTGGGGAGCGCCTC
GGCATCCCCATGAGTGTGCTGATGGGGGCCAATTGCCAGCGAGGTGGCTGATGAGAAGTTCTGTGAGA
CAACCATTGGCTGCAAGGACCCGGCCAGGGACAACCTCTGAAAGAGCTGATGCAGACACCAAACCTCCG
TATCAGTGGTGCAAGAGGTGGACACAGTAGAGATCTGTGGAGCCTTAAGAATGTAGTGGCCGTGGGG
GCTGGCTTCTGTGATGGCCTGGGCTTTGGGACAACACCAAGGCGGCAGTGATCCGGCTGGGACTCATGG
AGATGATAGCCTTCGCCAAGCTCTTCTGCAGTGGCCCTGTGTCTCTGCCACCTTCTGGAGAGCTGTGG
TGTTGCTGACCTGATCACTACCTGCTATGGAGGGCGGAACCGGAAAGTGGCTGAGGCCTTTGCGCGTACA
GGAAAGTCCATTGAGCAGCTGGAGAAAGAGTTGCTGAATGGGCAGAACTGCAGGGGCCCCGAGACAGCCC
GGGAGCTATACAGCATCTCCAGCACAAGGGCCTGGTAGACAAGTTCCCTTGTTTCATGGCTGTGTACAA
GGTGTGCTACGAGGGCCAGCCAGTGGGTGAATTCATCCACTGCCTGCAGAATCATCCAGAACATATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC206538 protein sequence Red=Cloning site Green=Tags(s) MASKKVCIVGSGNWGSAIAKIVGGNAAQLAQFDPRVTMWVFEEDIGGKKLTEIINTQHENVKYLPGHKLP PNVVAVPDVVQAAEDADILIFVVPHQFIGKICDQLKGHLKANATGISLIKGVDEGPNGKLISEVIGERL GIPMSVLMGANIASEVADEKFCETTIGCKDPAQGQLLKELMQTPNFRITVVQEVDVEICGALKNVVAVG AGFCDGLGFGDNTKAAVIRLGLMEMIAFAKLFCSGPVSSATFLESCGVADLITTCYGGNRKVAEAFART GKSIEQLEKELLNGQLQGPETARELYSILQHKGLVDKFPLFMAVYKVCYEGQPVGEFIHCLQNHPEHM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005276
ORF Size:	1047 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_005276.2</u>
RefSeq Size:	3083 bp
RefSeq ORF:	1050 bp
Locus ID:	2819
UniProt ID:	<u>P21695</u>
Cytogenetics:	12q13.12
MW:	37.6 kDa