

Product datasheet for **MR219331A1V**

Mouse Gpd2 (NM_010274) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Gpd2 (NM_010274) AAV Particle
Tag:	Myc-DDK
Symbol:	Gpd2
Synonyms:	AA408484; AI448216; AU021455; AW494132; Gdm1; Gpd-m; GPDH; Gpdh-m; TISP38
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR219331 representing NM_010274
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGTTTCAAAGGCAGTGAAGGGGACTATTCTTGTGGGTGGAGGAGCTCTGGCCACTGTTTTGGGAC
 TCTCTCCGTTTGCTCATTACAGAAGGAAGCAAGTGAGCCTGGCATATGTGGAAGCAGCAGGATACCTCAC
 GGAGCCTGTGAACAGGGAACCTCCCTCCAGAGAAGCTCAGCTCATGACTTTGAAGAACACACCCGAATTT
 GACATCCTTGTATCGGAGGCGGAGCCACAGGGTGTGGCTGTGCACTAGATGCCGTACCCAGAGGACTGA
 AAACAGCCCTTGTAGAGAGAGATGACTTCTCATCGGGGACTAGCAGTAGAAGCACTAAATTGATCCACGG
 TGGTGTGCGATACCTCCAGAAGGCTATCATGAACCTGGATGTTGAGCAGTATAGGATGGTAAAGAAGCC
 CTTACGAACGTGCCAATTACTAGAAATCGCTCCTCATTTATCAGCTCCGTTGCCTATCATGCTCCAC
 TTTACAAGTGGTGGCAGTTACCTTATTACTGGGTGGGAATCAAGATGTATGACCTGGTTGCAGGGAGTCA
 ATGCCTGAAGAGCAGTTACGTCTCAGCAAATCCCGAGCCCTGGAGCATTTTCCCATGCTCCAGAAGGAC
 AAGCTGGTAGGCGCCATTGTCTACTATGACGGACAACACAACGATGCACGGATGAACCTGCCATCGCCC
 TCACTGCTGCCAGGTACGGGGTGCCACGGCCAATTACATGGAGGTGGTGAAGTGTCTCAAGAAGACAGA
 CCCTGAAACCGGCAAAGAGCGAGTGAGCGGTGCGCGGTGCAAGGATGTGCTCACAGGGCAGGAATTTGAC
 GTGAGAGCCAAATGCGTTATCAATGCCTCCGGCCCTTTCACAGACTCCGTGCGCAAAATGGATGATAAAA
 ACGTTGTTCCCATCTGCCAGCCAGTGCCGGGGTCCATATTGTGATGCCCGGATACTACAGCCCTGAGAA
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 ATTGCTGGCACCAGTATACGCCAACGGACGTACGCACCATCCTATTCCTTCAAGAAGACATTAAT
 TCATCCTGAATGAAGTCCGGAACCTGAGTTCTGAGTTGAAGTGAAGAAGGGGATGTCTTGGCAGC
 CTGGAGTGGTATCCGTCCCTTGTACCAGTCCCAAGTCTGCAGACACTCAGTCCATCTCTCGAAATCAT
 GTTGTGGACATCAGTGACAGCGGACTCATCACAATAGCAGGTGGGAAGTGGACCACCTACCGCTCCATGG
 CAGAAGATACCGTGGATGCAGCTGTCAAGTTTCACAACTTGAATGCGGGACCGAGTAGGACTGTTGGGCT
 GTTCCTTCAAGGAGGCAAAGACTGGAGCCCCACACTCTACATCAGGCTTGTCCAGGATTATGGGCTTGAG
 AGCGAGGTTGCACAACATCTGGCCAAAACCTATGGTGACAAGGCTTTCGAGGTGGCCAAAATGGCAAGTG
 TGACTGGAAGCGGTGGCCTGTTGTTGGAGTGGCTTGTGTGTCAGAAATTCATACATTGAAGCAGAGGT
 GAAATACGGGATTAAGGAGTATGCCTGCACTGCAGTTGACATGATCTCACGGCGCACCCGCTGGCCTTT
 CTCAATGTTGAGGCTGCAGAGGAAGCCCTGCCTAGGATTGTTGAACTAATGGGAAGAGAGTTGAACTGGA
 GTGAATTGAGGAAACAGGAAGAACTTGAACAGCCACGAGATTTCTGTACTATGAAATGGGCTACAAGTC
 TCGAACAGAACTTACAGATAGCACTGAAATCAGCCTGCTGCCTTCAGACATCGATAGGTACAAGAAG
 AGATTTCAAGTTTGTGAAGATGAAAAAGGCTTCATTACCATTGTTGATGTTGAGCGTGTCTAGAGA
 GTATCAATGTACAAATGGACGAAACACACTGCATGAAATTCCTGCGAAGTAGATTTGAACAAAATGG
 ACAGGTTGAGCTGCACGAGTTTCTGCAGCTGATGAGCGCAGTTTCAGAAAGGAAGGGTCTCTGGAAGCCGA
 CTTGCCATCCTGATGAAACTGCCGAGGAGAATTGGACCGCAGAGTTCCAATCCCCGTGGACCGTAGTT
 GTGGAGGATTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR219331 representing NM_010274 Red=Cloning site Green=Tags(s) MAFQKAVKGTILVGGGALATVLGLSPFAHYRRKQVSLAYVEAAGYLTEPVNREPPSREAQLMTLKNTPEF DILVIGGGATGCGCALDAVTRGLKTALVERDDFSSGTSSRSTKLIHGGVRYLQKAIMNLDVEQYRMVKEA LHERANLLEIAPHL SAPLPIMLP L YKWWQLPYWVG I KMYDLVAGSQCLKSSYVLSKSRAL EHF PMLQKD KLVGAI VYYD GQHNDAR MNLAIALTAARYGAATANYMEVVSLKKTD PETGKERVSGARCKDVL TGQ EFD VRAKCVINASGPFTDSVRKMDDKNVVPICQPSAGVHI VMPGYSPENMGLLDPATSDGRVIFFLPWEKMT IAGTTDPTDVTTHHIPSEEDINFILNEVRNYLSSDVEVRRGDVLAAWSGIRPLVTDPKSADTQ SISR NH VVDISDSGLITIAGGKWTTYSMAEDTVDAAVKFHNLNAGPSRTVGLFLQGGKDWSP TLYIRLVQDYGLE SEVAQHLAKTYGDKAFEVAKMASVTGKRWPVVG VRLVSEFPYIEAEVKYIKEYACTAVDMISRRLAF LNVQAAEEALPRIVELMGRELNWSELRKQEELETATRFLYYEMGYKS RTEQLTDSTEISLLPSDIDRYKK RFHKFDEDEKGFITIVDQVRVLESINVQMDENTLHEILCEVDLNKNGQVELHEFLQLMSAVQKGRVSGSR LAILMKTAENLDRRVP I PVDRSCGGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_010274
ORF Size:	2181 bp
Buffer:	PBS with 0.001% Pluronic F2967
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_010274.3, NP_034404.3</u>
RefSeq Size:	5620 bp
RefSeq ORF:	2184 bp
Locus ID:	14571
UniProt ID:	<u>Q64521</u>
Cytogenetics:	2 31.66 cM
MW:	81.4 kDa