

## Product datasheet for **MR227074A1V**

### Mouse Gck (NM\_010292) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Mouse Gck (NM_010292) AAV Particle
Tag:	Myc-DDK
Symbol:	Gck
Synonyms:	Gk; GLK; Gls006; HK4; HKIV; Hlb62; HXKP; MODY2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>MR227074 representing NM\_010292  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGATGACAGAGCCAGGATGGAGGCCACCAAGAAGGAAAAGGTAGAGCAGATCCTGGCAGAGTTCC  
 AGCTGCAGGAGGAAGACCTGAAGAAGGTGATGAGCCGGATGCAGAAGGAGATGGACCGTGGCCTGAAGCT  
 GGAGACCCATCAGGAGGCCAGTGTAAAGATGTTGCCACCTACGTGCGTTCCACCCAGAAAGGCTCAGAA  
 GTTGGAGACTTCTCCTTAGACCTGGGAGGAACCAACTTCAGGGTGTGCTGGTAAAAGTGGGGGAGG  
 GGGAGGCAGGACAGTGGAGCGTGAAGACGAAACACCAGATGTATTCCATCCCCGAGGACGCCATGACGGG  
 CACTGCGGAGATGCTCTTTGACTACATCTCTGAGTGCATCTCTGACTTCTGGACAAGCATCAGATGAAA  
 CACAAGAACTACCCCTGGGCTTACCTTCTCCTTCCCTGTAAGGCACGAAGACATAGACAAGGGCATCC  
 TGCTCAACTGGACCAAGGGCTTCAAGGCCTCCGGAGCAGAAGGGAACAACATCGTGGGACTTCTCCGAGA  
 TGCTATCAAGAGGAGAGGGGACTTTGAGATGGATGTGGTGGCAATGGTGAATGACACGGTGGCCACAATG  
 ATCTCCTGCTACTATGAAGACCCCAATGTGAGGTCGGCATGATTGTGGGCACCGCTGCAACGCCTGCT  
 ACATGGAGGAGATGCAGAATGTGGAGCTGGTGGAAAGCGATGAGGGGCGCATGTGTGTAACACAGAGTG  
 GGGCGCCTTCGGAACTCCGGTGGAGCTGGACGAGTTTCTCCTGGAGTACGACCGGATGGTGGATGAGAGC  
 TCAGTGAACCCCGGTGACGAGCTGTACGAAAAGATCATTGGCGGAAAAGTACATGGGCGAGCTGGTACGAC  
 TTGTGCTGCTCAAGCTGGTAGAGGAGAACTTCTGTCCACGGAGAGGCCCTCAGAGCAGCTGCGCACACG  
 TGGTGCTTTTGAACCGTTTGTGTCGAGGTGGAGAGCGACTCTGGGGACCGAAGGCAGATCCTTAAC  
 ATCCTGAGCACTCTGGCCTTCGACCTCTGTGCGCGACTGCGACATTGTGCGCCGTGCCTGTGAAAGCG  
 TGTCCACTCGCGCCGCCACATGTGCTCAGCAGGACTAGCGGGGTGATAAATCGCATGCGGAAAAGCCG  
 CAGTGAGGACGTGATGCCATCACGGTGGCGTGGATGGCTCCGTGTACAAGCTGCACCCGAGCTTCAAG  
 GAGCGGTTTACGCCAGTGTGCCAGGCTGACACCCAAGTGCAGAAATCACCTTCAATTGAATCAGAGGAGG  
 GCAGCGCAGGGGAGCCGCACTGGTCTCTGCGGTGGCCTGCAAGAAGGCTTGCATGCTGGCCAG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227074 representing NM\_010292  
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MLDDRARMEATKKEKVEQILAEFQLQEEDLKKVMSRMQKEMDRGLKLETHQEASVKMLPTYVVRSTPEGSE  
 VGDFLSLDLGGTNFRVMLVKVGEAGEQWSVKTKHQMYSIPEDAMTGTAEMLFDYISECISDFLDKHQMK  
 HKKLPLGFTTFFPVRHEDIDKGILLNWTGFKASGAEGNNIVGLLRDAIKRRGDFEMDVVAMVNDTVATM  
 ISCYEDRQCEVGMIVGTGCNACYMEEMQNVELVEGDEGRMCVNTEWGAFGNSGELDEFLLLEYDRMVDES  
 SVNPGQQLYEKIIGGKYMVELVRLVLLKLVENLLFHGEASEQLRTRGAFETRFVSVQVESDSGDRRQILN  
 ILSTLGLRPSVADCDIVRRACESVSTRAAHMCSAGLAGVINRMRESRSEDVMRITVGVDSVYKLPSPFK  
 ERFHASVRRRLTPNCEITFIESEEGSGRGAALVSAVACKKACMLGQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Mouse

**Serotype:**

AAV-2

**ACCN:**

NM\_010292

**ORF Size:**

1395 bp

**Buffer:**

PBS with 0.001% Pluronic F68

<b>Stability:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_010292.4</a></u> , <u><a href="#">NP_034422.2</a></u>
<b>RefSeq Size:</b>	2245 bp
<b>RefSeq ORF:</b>	1398 bp
<b>Locus ID:</b>	103988
<b>UniProt ID:</b>	<u><a href="#">P52792</a></u>
<b>Cytogenetics:</b>	11 3.88 cM
<b>MW:</b>	52.5 kDa