

## Product datasheet for **MR212475A1V**

### Mouse Gykl1 (NM\_010293) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | Gykl1                      |
| Synonyms:      | AI449806; Gk-rs1           |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |



**ORF Nucleotide Sequence:** >MR212475 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCAGACGCTCCAAAAGCGGTTTTGGGGCCGTGGTAGGGCAGTGGACCAAGGTACCAGCTCAACAC  
 GTTTTTGGTTTTCAATCCCCAAACAGCTGAATTACTTTGTATCATCAAGTGGAAATAGCCAGGAGTT  
 CCCCCAAGAAGGATGGGTAGAGCAAGACCCAAAGGCAATCCTGCAGTCTGTGTACGAGTGTATAGAGAAA  
 GCATGTGAGAACTCGGACAGCAGAGCATTGATATTTCCAACATAAAAGCTATCGGTGTACCAACCAGC  
 GGGAACTACGATAGTCTGGGACAAGTTCACTGGAGAACCTCTCTACAATGCTGTGGTGTGGCTTGACCT  
 AAGGACCCAGTCTACTGTGGAGAATCTCAGCAAAAGTATTTCAAGTAAGCAATAAATTTGTCAAGAACAAG  
 ACAGGCCCTTCAATCAGCACTTATTTAGTGCCGTGAAACTTCACTGGCTCATTGAAAATGTGAGAAAAG  
 TGCAAAAGGCTATTGAAGATGGCAGAGCTATTTTGGGACGGTTGATTCTGGCTTATCTGGTGTATGAC  
 TGGAGGTATCAACGGAGGTGTCCACTGTACAGATGTAAGTAATGCCAGCAGGACCATGCTTTTCAACATT  
 CACTCTTTGCAATGGGATGAAGAGCTCTGCGACTTTTTTGGAAATCCAATGACCATCCTTCCCCGAATCC  
 GGAGTTCTTCTGAGATCTATGGCCTAGTGAAAAGTGGCGTGTGGAAGGTGTGCCAATATCTGGATGTCT  
 GGGAGACCACTCTGCTGCTTTGGTGGGACAACGTGTCTTCAGGACGGACAAGCTAAAAGCACATATGGA  
 ACAGGCTGTTTCTTACTATGTAACACAGGCCAGAAGTGTGAACTCTGAACATGGCCTTCTGACCACAG  
 TGGCTTACCAGCTTGGCAGACAGGAGCCTGTCTATTATGCCCTGGAAGGTTCCGTAGCCATAGCCGGTGC  
 GTTGTGTAGCTGGATAAAAAACAATCTTCAAATTATTCACTCTTCATCGAAATTGAAAACTTGTGAA  
 GTAGCAGGACTTCTTATGGTTGTTACTTCGTCCAGCCTTTTCAAGCTTATACGCTCCATATTGGGACC  
 CAAGTGCAGAGGGATCATCTGCGGCTCACCCAGTTCACCAATAAGTTCATATTGCCTTTGCTGCGTT  
 AGAAGCTGTTTGTCTCCAAACGCGGAGATTTTGGATGCCATGAACAGTGATTGTGGAATCCCGTGACG  
 CATTTCGAGGTAGATGGAGGAATGACCGCAACAGAGTTTCTCATGCAACTGCAGGCGGACATTCTGTGTA  
 TTCCGGTGATGAAACCTTTATGCCAGAACTGCACTGGGAGTCGCAATGGCAGCGGGAGCGGCAGA  
 AGGAGTTAGCGTGTGGAGTCTGGATCCTAAGGATTTGTCAAGTGTCCAGATGGAGAAGTTGAACCCAG  
 ATCAATGTCTCAGGAAAGTGAAGGTGCTTACGCCACATGGAAGAAAGCTGTGCTGAAAGTCAATGGGTGGG  
 TTTTGACTCAGTCTCCTGATGGTCGCGACCTAGTATTTTCAAGCAGCCTGACGCTGGGCTTTTATGTAGT  
 GAGTAGTATGGTGATATTAATTGGAGCAAGGTACATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR212475 protein sequence  
 Red=Cloning site Green=Tags(s)

MADAPKAVLGPLVGAVDQGTSSSTRFLVFNPTAELLCHHQVEIAQEFPKEGWVEQDPKAILQSVYECIEK  
 ACEKLQSQSIDISNIKAIGVTNQRETTIVWDKFTGEPLYNVAVWLDLRTQSTVENLSKISISVSNFVKNK  
 TGLPISTYFSAVKLHWLIENVRKVQKAIEDGRAIFGTVDSWLIWMTGGINGGVHCTDVSNASRTMLFNI  
 HSLQWDEELCDFFGIPMTILPRISSSEIYGLVKSGLVGVPIISGLGDQSAALVGQLCLQDQAKSTYG  
 TGCFLLCNTGQKCVNSEHGLLTVAAYQLGRQEPVYYALEGSVAIAGAVVSWIKNNLQIIQSSEIEKLA  
 VAGTSYGCYFVPAFSGLYAPYWDPSARGIICGLTQFTNKFHIAFAALEAVCFQTREILDAMNSDCGIPLT  
 HLQVDGGMATANRVLMLQADILCIPVMKPFMPETALGVAMAAGAAEGVSVWSLDPKDLSSVQMEKFEPQ  
 INVEESEGRYATWKKAVLKSMDGWLTQSPDGRDPSIFSSLTLGFYVSSMVILIGARYM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Mouse

**Serotype:** AAV-2

**ACCN:** NM\_010293

**ORF Size:** 1647 bp

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Buffer:</b>       | 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_010293.2</a></u> , <u><a href="#">NP_034423.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>  | 1915 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1650 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 14625                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cytogenetics:</b> | 18 28.25 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>           | 59.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |