

## Product datasheet for **MR230070A1V**

### Mouse Slc16a3 (NM\_001038654) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | Slc16a3                    |
| Synonyms:      | Mct3; Mct4                 |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |



**ORF Nucleotide Sequence:** >MR230070 representing NM\_001038654  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGGAGGGGCTGTGGTGGACGAGGGTCCACCGGCATCAAGGCCCGCATGGGGCTGGGGCTGGGCCG  
 TCCTCTTTGGCTGTTTTATCATCACGGGTTTCTCTACGCCTTCCCAAGGCGGTACAGCGTCTTTTCAA  
 GGAGCTTATGCATGAGTTTGGATTGGCTACAGCGACACGGCTTGGATCTCTCCATCCTGCTGGCTATG  
 CTCTATGGCACAGGACCGCTCTGCAGTGTGTGTGAACCGCTTTGGTGCCGGCGCTGCATGCTTGTGG  
 GTGGCCTCTTTGCGTCCCTGGGAATGGTGGCTGCGTCCTTCTGCAGAAGCATTATCCAGATCTACCTCAC  
 CACGGGGGTCACTAGGCTTGGGTCTGGCTCTCAACTCCAGCCTTCCCTCATCATGCTCAATCGATAC  
 TTCAACAAGCGTCGCCCTATTGCCAATGGTTGGCAGCGCAGGCAGCCAGTGTTCCTTTGTGCACTGT  
 CTCCACTGGGGCAGCTGCTGCAGGATCACTATGGTTGGCGGGTGGCTTCTCATCCTGGGGGCGCTACT  
 GCTCAACTGCTGTGTGTGCTGCGCTCATGAGGCCGTGGTGGCACCGCAGGTAGGCGGAGGGACTGAG  
 CCCCAGGGACCCAGCGCCACCTCAACGCCTGCTAGACCTGAGTGTCTCCGAGACCGCGCTTCTCA  
 TCTATGCCGTGGCCGCCTCAATCATGGTGTGGGACTCTTTGTGCCTCCGGTCTTTGTGGTGAAGTATGC  
 TAAGGATATGGGTGTACCCGACACAAAGGCCGCTTCTTCTCACCATCCTGGGCTTATCGACATCTTT  
 GCCAGGCCACGGCTGGTTTCATAACAGGCCTCAAGAAGGTGCGGCCCTACTCTGTCTACCTCTTCAGCT  
 TTGCCATGTTCTTCAATGGCTTCACTGACCTGACAGGCTCCACAGCCACTGACTACGGTGGCTGGTGGT  
 CTTTTCATCTTTTGGCATCTCATATGGCATGGTGGGCGCACTACAGTTTGAAGTGTGCTATGGCTATC  
 GTGGGCACTCAGAAGTTCTCCAGTGCCATTGGTCTCGTGTGCTGCTGGAGGCCGTGGCTGTGCTCATCG  
 GACCCCGTCAGGAGGCAAGCTGCTGGATGCAACCAAGTTTACAAGTATGTGTTATCCTGGCGGGGC  
 CGAGGTGCTCACCTCCTCCTTGTGCTGCTGCTGGGCAACTTCTTCTGCATCGGGAAGAGGAAGAGGCC  
 GAGGTGACAGAGCTGAGGAGGTGGCTCAGAGGAGAAGCTCCACAAGCCCCCTGTGGACGTGGGAGTGG  
 ACTCGAGGGAGGTGGAGCACTTCTGAAGCAGAGCCTGAGAAAAATGGGAGGTGGTTATACCCCGGA  
 AACCAGCGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230070 representing NM\_001038654  
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MGGAVVDEGPTGIKAPDGGWGWAVLFGCFIITGFSYAFPKAVSVFFKELMHEFGIGYSDTAWISSILLAM  
 LYGTGPLCSVCVNRFGCRPVMLVGGLFASLGMVAASFCSIQIYLTGVTITGLGLALNFPQLIMLNRY  
 FNKRRPIANGLAAAGSPVFLCALSPQLLQDHYGWRGGFLILGGLLLNCCVCAALMRPLVAPQVGGTE  
 PRGPQRPPQRLDLVFRDRGFLIYAAASIMVLGLFVPPFVVSYAKDMGVPDTKAAFLITLGFIDIF  
 ARPTAGFITGLKKVRPYSVYLFSAFFNGFTDLTGSTATDYGGLVVFICFFGISYGMVGALQFEVLMAI  
 VGTQKFSIAIGLVLLLEAVAVLIGPPSGKLLDATKVYKYVFIAGAEVLTSSLVLLGNFFCIGKRKR  
 EVTEPEEVASEEKLHKPPVDVGDSREVEHFLKAEPEKNGEVVHTPETS

**TR**TRPLE**QKLISEEDLAANDILDYKDDDDKV**

**Species:** Mouse

**Serotype:** AAV-2

**ACCN:** NM\_001038654

**ORF Size:** 1410 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>       | <a href="#">NM_001038654.1</a> , <a href="#">NP_001033743.1</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>  | 2386 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1413 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 80879                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>   | <a href="#">P57787</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b> | 11 E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MW:</b>           | 50.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |