

Product datasheet for **MR226303A1V**

Mouse Slc1a2 (NM_011393) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Slc1a2 (NM_011393) AAV Particle
Tag:	Myc-DDK
Symbol:	Slc1a2
Synonyms:	1700091C19Rik; 2900019G14Rik; A1159670; Eaat2; GLT-1; GLT1; MGLT1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR226303 representing NM_011393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCAGTGCCAACAATATGCCAAGCAGGTAGAAGTGCGCATGCACGACGCCACCTCAGCTCCGATG
 AGCCAAAGCACCGAAACCTGGGCATGCGCATGTGCGACAAGCTGGGGAAAAATCTCCTGCTCACTGAC
 TGTGTTTGGTGTATCCTGGGAGCAGTGTGTGGCGGGCTGCTTCGCTTGGCATCGCCATCCACCCTGAT
 GTGGTCATGTTGATAGCCTTCCCGGGGACATACTCATGAGGATGCTGAAGATGCTCATCTCCCTCTTA
 TCATCTCCAGTTAATCACAGGGTTGTCAGGCCTGGATGCTAAAGCCAGCGGCCCTAGGCACGAGAGC
 TATGGTGTATTACATGTCCACGACCATCATTGCCGCCGTGCTGGGGTTCATCCTGGTGTGGCAATCCAC
 CCAGGCAATCCAAAACCAAGAAGCAGCTAGGGCCCGGAAGAAGAACGACGAGGTGCTAGCCTGGATG
 CCTTCCTGGATCTCATTAGAAAATCTTCCCGGAGAACCTGGTGAAGCCTGTTCCAACAGATTCAGAC
 AGTGACAAAGAAAGTTCTGGTGGCACCTCCATCTGAGGAGGCCAATACCAAGCGGTCATCTCCATG
 TTGAATGAAACCATGAACGAGGCCCTGAAGAACTAAGATCGTTATCAAGAAGGCCTGGAGTTCAAGG
 ACGGGATGAACGTCTTAGGTCTGATCGATTCTCATTGCTTTCGGCATTGCCATGGGGAAGATGGGTGA
 ACAGGCCAAGCTGATGGTGGAGTTCTTCAACATTCTGAATGAGATCGTGATGAAGTTAGTGATCATGATC
 ATGTGGTACTCCCCTCTGGGTATCGCCTGCTTGATTTGTGGGAAGATCATCGCCATCAAGGACTTAGAAG
 TGGTGTAGGCAGCTGGGGATGACATGATCACCGTATCGTGGGCCTCATCATTACGGGGGCATCTT
 TCTCCCCTTGATTTACTTTGTAGTGACCAGAAAAATCCATTCTCCTTTTTGCTGGCATATCCAAGCC
 TGGACTACTGCTCTGGAACTGCTTCCAGTGTGGAACCTTGCCTGTTACCTCCGTTGCTTGGAAAGATA
 ATCTAGGGATTGACAAGCGTGTGACCAGATTCGTCCTCCAGTGGAGCAACCATAACATGGATGGCAC
 AGCCCTTACGAGGCTGTGGCAGCCATCTCATAGCCCAATGAATGGAGTCATCTTGGATGGAGGTCAG
 ATTGTGACTGTAAGCCTTACAGCCACCCTGGCAGCATTGGTGCAGCCAGTATCCACGCGCCGGCTGG
 TCACCATGCTCCTCATTCTCACAGCTGTGGCCTGCCAACGGAGGATATCAGTCTGCTGGTGGCAGTGG
 CTGGCTGCTGGATAGAATGAGAACTTCACTCAATGTGGTGGGCGATTCTTTGGGGCTGGGATTGTCTAT
 CACCTTCCAAGTCTGAGCTGGACACCTTACTCCCAACACCGAATGCAGGAAGACATCGAAATGACCA
 AGACGCAGTCCATTTACGACGACAAGAACCACAGGAAAGCAACTCTAATCAGTGTGCTATGCCGCACA
 CAACTCTGTCGTAATAGATGAGTGAAGGTACCTTCCATTCTGGATATCGAGACCTGCATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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 Red=Cloning site Green=Tags(s)

MVSANNMPKQVEVRMHDHSHLSSDEPKHRNLGMRMCDKLGKNLLLSLTVFGVILGAVCGLLRLASPIHPD
 VVMLIAFPDILMRMLKMLILPLIISSITGLSGLDAKASGRLGTRAMVYYMSTTIIAAVLGVILVLAIH
 PGNPKLKKQLGPGKKNDEVSSLDALDLIRNLPENLVQACFQIQVTYKVLVAPPSEEANTTKAVISM
 LNETMNEAPEETKIVIKKLEFKDGMNVLGLIGFFIAFGIAMGKMGQAKLMVEFFNILNEIVMKLVIMI
 MWYSPLGIACLICGKIIAIKDLEVVARQLGMYMITVIVGLIIHGGIFLPLIYFVTRKPNPFFAGIFQA
 WITALGTASSAGTLPVTFRCLEDNLGIDKRVTRFVLPVGATINMDGTALYEAVAAIFIAQMNGVILDGGQ
 IVTVSLTATLASIGAASIPSAGLVTMLLILTAVGLPTEDISLLVAVDWLLDRMRTSVNVVGSFSGAGIVY
 HLSKSELDTIDSQHRMQEDIEMTKTQSIYDDKNHRESNSNQCVAAHNSVVIDECKVPPFLDIETCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_011393

ORF Size:	1674 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_011393.2</u> , <u>NP_035523.1</u>
RefSeq Size:	2127 bp
RefSeq ORF:	1677 bp
Locus ID:	20511
UniProt ID:	<u>P43006</u>
Cytogenetics:	2 54.13 cM
MW:	61.1 kDa