

Product datasheet for **MR207665A1V**

Mouse Slc7a13 (NM_028746) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Slc7a13 (NM_028746) AAV Particle
Tag:	Myc-DDK
Symbol:	Slc7a13
Synonyms:	0610009O04Rik; AGT-1; AGT1; XAT2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR207665 representing NM_028746
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAATGGATTCAAAGAAGGAAATCCGTCTTAAGAGAGAACTGGATATTTCTGGGGACAACTTTT
 TAATTATTAATAAATTGGTGCAGGAATATTTGTGTCCCCAAGGGAGTGCTCCAGCACTCTTCCATGAA
 TGTTGGAGTCTCCTTGTGTGTTTGGGCTGTCTGTGCACTGCTGACCTTGACCACTGCTCTCTGCTCTGCA
 GAGATCGGGATAACCTTCCCATACAGTGGGCTCACTATTATTTTAAAGCGATGCTTCGGCCCTCTCG
 TGGCATTCTGAGGCTTTGGACTAGCTTGTCTCGGCCAGGCTTAATTGCTAGCCAAGCTCTGCTACT
 GGCTGAGTATGGCGTTACGCTTTTATCCAGCTGCTCTGCCCGATTCTACCAAGAAAATGTCTGGCC
 CTGGCGATGCTGTGGATTGTGGGAATTCTGAATTCCTGCTGGTGTAAAAGAGCTGTCATGGCTTCAGACAG
 TGAGCTCAGTGTGAAGGTGGGCATACTCGGTGTCATTCCCTCAGCGGCTGTTCTTGCTGGTGAAGG
 GAAGAAGGAGAATGTACAAAGGCTTCAGAAATGCGTTTGATGCCGAGTTCCAGAGGTCTCTCAGTTAATA
 GAAGCTATTTTCCAAGGATACTTTCGCTTTTCTGGCGGGGATGCTTACATGTATAGCAGGGGAGCTGA
 AGAAACCCAGTAAACAATTCTAGATGCATCTTACAGGACTGCCTCTGGTAACTGTCGTGTAATTACT
 GGCTAATATTTCTACCTGACAGTTCTGACACCCAGGAAATGCTCTCTTCAGATGCTGTTGCTCTTACA
 TGGACAGACAGGGTCAATCCCCAATTCACATGGACTGTTCTTTTCTGCTTCACTGTTTATCA
 ACCTTGATTAATGTACTTGAGACATCAAGAGTGTTATATATTGCAAGTGAGAATGGCCAGCTGCCTTT
 GTTGTGTTGTGCCCTGAATGTCCATTCTCTCCCTTATAGCTGTGCTACTAATTATCAGTATGGCATCC
 ATTTAATTGTCTTAACAAACCTAATTGATCTGATAAACTATCTCTATTTGTTGTTTCCATTGGAGTG
 CCTTATCAATAATAGGAATCTTGAAGCTGAGGTACCAAGAGCCCAATCTACACAGACCATATAAGGTGTT
 TTTACCGTTCACATTATAGCGTTGGGCATCACCTGAGCTTGTTTTGATCCCGCTTGTCAGTCTCCA
 AAGTTGCATTATATCTATGTGTTCTCTCTCTCAGTGGGCTGGTGTGTTTACGTGCCATTGATACACT
 TTAAAGTGAAGTTCGTTTGGTTTCAGAAGTTGACTTGCTATCTGCAGTTACTGTTAATATTTGCATCCC
 TGATGTGCTGATGACCACATACATGAAGAAAGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207665 representing NM_028746
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MAMDSKKEIRLKRELGFWGTNFIINIIGAGIFVSPKGVQLHSSMNVGVSLCVWAVCAVLTLTSALCSA
 EIGITFPYSGAHYYFLKRCFGLVAFRLWTSFLGPGLIASQALLAEYGVQPFYPPSCSAPILPRKCLA
 LAMLWIVGILNSRGVKELSWLQTVSSVLKVGILGVISLSGLFLLVRGKKENVQRLQNAFDAEFPEVSQLI
 EAIFQGYFAFSGGCFTCIAGELKKPSKTIIPRCIFTGLPLVTVVYLLANISYLTVLTPQEMLSDDAVALT
 WTDREVIPQFTWTVPFASISLFINLVINLETSLRVLYIASENGQLPLFCALNVHSSPFIAVLLIISMAS
 ILIVLTNLIIDLINLYFVVSITWALSIIIGILKRYQEPNLHRPYKVFLPFTFIALGITLSLVLIPLVKSP
 KLHYIYVFLFLLSGLVFYVPLIHFVKVFWFQKLTCYLQLLFNICIPDVSDDHIHEES

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_028746

ORF Size:

1434 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_028746.3, NP_083022.1</u>
RefSeq Size:	2134 bp
RefSeq ORF:	1437 bp
Locus ID:	74087
UniProt ID:	<u>Q91WN3</u>
Cytogenetics:	4 A3
MW:	53.7 kDa