

Product datasheet for **RC223924A1V**

Human EAAT2 (SLC1A2) (NM_004171) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human EAAT2 (SLC1A2) (NM_004171) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC1A2
Synonyms:	DEE41; EAAT2; EIEE41; GLT-1; HBGT
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

ORF Nucleotide Sequence:

>RC223924 representing NM_004171
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCATCTACGGAAGGTGCCAACAATATGCCAAGCAGGTGGAAGTGCGAATGCACGACAGTCATCTTG
 GCTCAGAGGAACCAAGCACCGGCACCTGGGCCTGCGCCTGTGTGACAAGCTGGGAAGAATCTGCTGCT
 CACCCTGACGGTGTGGTGTATCCTGGGAGCAGTGTGTGGAGGGCTTCTTCGCTTGGCATCTCCCATC
 CACCCTGATGTGGTTATGTTAATAGCCTTCCAGGGGATATACTCATGAGGATGCTAAAAATGCTCATT
 TCCCTCTAATCATCTCCAGCTTAATCACAGGGTGTGACGGCCTGGATGCTAAGGCTAGTGCCGCTTGGG
 CACGAGAGCCATGGTGTATTACATGTCCAGCACCATTGCTGCAGTACTGGGGCTCATTCTGGTCTTG
 GCTATCCATCCAGGCAATCCCAAGCTCAAGAAGCAGCTGGGCCTGGGAAGAAGAATGATGAAGTGCCA
 GCCTGGATGCCTTCTGGACCTATTTCGAAATCTTCCCTGAAAACCTTGCTCAAGCCTGCTTCAACA
 GATTCAAACAGTGACGAAGAAAGTCTGGTTGCACCACGCCAGACGAGGAGGCCAACGCAACCAGCGCT
 GTTGTCTCTCTGTTGAACGAGACTGTGACTGAGGTGCCGAGGAGACTAAGATGGTTATCAAGAAGGGCC
 TGGAGTTCAAGGATGGGATGAACGTCTTAGGTCTGATAGGGTTTTTCATTGCTTTTGGCATCGCTATGGG
 GAAGATGGGAGATCAGGCCAAGCTGATGGTGGATTCTTCAACATTTGAATGAGATTGTAATGAAGTTA
 GTGATCATGATCATGTGGTACTCTCCCCTGGGTATCGCCTGCCTGATCTGTGAAAGATCATTGCAATCA
 AGGACTTAGAAGTGGTTGCTAGGCAACTGGGGATGTACATGGTAACAGTGATCATAGGCCTCATCATCA
 CGGGGGCATCTTCTCCCCTTGATTTACTTTGTAGTGACCAGGAAAAACCCCTTCTCTTTTTTGGTGGC
 ATTTTCCAAGCTTGGATCACTGCCCTGGGCACCGCTTCCAGTGCTGGAACCTTGCCTGTACCTTTTCGTT
 GCCTGGAAGAAAATCTGGGATTGATAAGCGTGTGACTAGATTCTCTTCTGTTGGAGCAACCATTAA
 CATGGATGGTACAGCCCTTTATGAAGCGTGGCCGCCATCTTTATAGCCCAAATGAATGGTGTGTGCTG
 GATGGAGGACAGATTGTGACTGTAAAGCCTCACAGCCACCCTGGCAAGCGTCGGCGCGGCCAGTATCCCCA
 GTGCCGGGCTGGTCACCATGCTCCTCATTCTGACAGCCGTGGGCCTGCCAACAGAGGACATCAGCCTGCT
 GGTGGCTGTGGACTGGCTGCTGGACAGGATGAGAACTTCAGTCAATGTTGTGGGTGACTTTTTGGGGCT
 GGGATAGTCTATCACCTCTCAAGTCTGAGCTGGATACCATTGACTCCCAGCATCGAGTGCATGAAGATA
 TTGAAATGACCAAGACTCAATCCATTTATGATGACATGAAGAACCACAGGGAAGCAACTCTAATCAATG
 TGTCTATGCTGCACAACTCTGTCTAGTAGATGAATGCAAGGTAACCTCTGGCAGCCAATGAAAGTCA
 GCCGACTGCAGTGTGAGGAAGAACCTTGGAAACGTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223924 representing NM_004171
 Red=Cloning site Green=Tags(s)

MASTEGANNMPKQVEVRMHDShLGSEEPKhrHLGLRLCDKLgKNLLLTlTVFGVILGAVCGGLLRlASPI
 HPDVVMLIAfPGDILMRMLKMLILPLIISSlITGLSGLDAKASgRLGTRAMVYYMSTIIAAVLGVILVL
 AIHPGNPKLKKQLGPGKKNDEVSSLDaFLDLIRNLfPENLVQACfQqIQTVTKKVLVAPPpDEEaNATSA
 VVSLlNETVTEVPEETKMVIKKGLEfKdGMNVLGLIGfFIAfGIAMgKMdQAKLMVDFfNlNEIVMKL
 VIMIMWYSPLGIAClCGKIIAIdLEVVARQLGMYMVTVIIGLIhGGIFLPLIYfVVRKNPFsFFAG
 IFQAWITAlGTASSAGTLpVTFRCLEENLGIDKRvTRfVLPVGATINMDGTALYEAAAIfIAQMNGVVL
 DGGQIVTVSLTATLASVGAASIPsAGLVTMLLILTAVGLPTEDISLLVAVDWLLDRMRTsVNVVGDSfGA
 GIVYHLsKSELDtIDSQhRVHEDIEMTKtQSIYDDMKNHRESNSNQCvYAAHNSVIVDECKVTLAANGKS
 ADCSVEEEPwKREK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_004171
ORF Size:	1722 bp
Buffer:	PBS with 0.001% Pluronic F8735
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_004171.2</u> , <u>NP_004162.2</u>
RefSeq Size:	11692 bp
RefSeq ORF:	1725 bp
Locus ID:	6506
UniProt ID:	<u>P43004</u>
Cytogenetics:	11p13
MW:	61.9 kDa