

Product datasheet for **RC221087A1V**

Human EAAT4 (SLC1A6) (NM_005071) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human EAAT4 (SLC1A6) (NM_005071) AAV Particle
Tag:	Myc-DDK
Symbol:	EAAT4
Synonyms:	EAAT4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC221087 representing NM_005071
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGAGCAGCCATGGCAACAGCCTGTTCTTCGGGAGAGCGGCCAGCGGCTGGGCCGGGTGGGCTGGCTGC
 AGCGGCTGCAGGAAAGCCTGCAGCAGAGAGCACTGCGCACGCGCCTGCGCCTGCAGACCATGACCCTCGA
 GCACGTCTGCGCTTCTGCGCCGAAACGCCTTCACTTCTGCTGACGGTACGCGCGTGGTCATTGGGGTC
 AGCCTGGCCTTTGCCCTGCGCCCATATCAGCTCACCTACCGCCAGATCAAGTACTTCTCTTTCTGGAG
 AGCTTCTGATGAGGATGCTGCAGATGCTGGTGTACTCTCATTGTCTCCAGCCTGGTCACAGGTATGGC
 ATCCCTGGACAACAAGGCCACGGGGCGGATGGGATGCGGGCAGCTGTGTACTACATGGTGACCACCATC
 ATCGCGGTCTTCATCGGCATCCTCATGGTCACCATCATCCATCCCGGGAAGGGCTCAAGGAGGGGCTGC
 ACCGGGAGGGCGGATCGAGACCATCCACAGCTGATGCCTTCATGGACCTGATCAGAAATATGTTTCC
 ACCAAACCTTGTGGAGGCTGCTTCAACAGTTCAAGACGAGTACAGCACGAGGGTGGTAACCAGGACC
 ATGGTGAGGACAGAGAACGGGTCTGAGCCGGTGCCTCCATGCCTCCTCATTCTCAGTGAGAAACGGAA
 CCAGCTTCTTGAAAAATGTCACTCGGGCCTTGGGTACCCTGCAGGAGATGCTGAGCTTTGAGGAGACTGT
 ACCCGTGCCTGGCTCCGCCAATGGCATCAACGCCCTGGGCCTCGTGGTCTTCTGTGGCCTTTGGGCTG
 GTCATTGGTGGCATGAAACACAAGGGCAGAGTCTCAGGGACTTCTTCGACAGCCTCAATGAGGCTATTA
 TGAGGCTGGTGGGCATCATTATCTGGTATGCACCTGTGGGCATCCTGTTCTGATTGCTGGGAAGATTCT
 GGAGATGGAAGACATGGCCGCTCTGGGGGTGAGCTGGGCATGTACACCTGACCGTCATCGTGGGCCTG
 TTCCTCCATGCCGGCATTGTCTTCCCCTCATCTACTTCTCGTCACTACCGGAACCCCTTCCCCTTCA
 TTGGGGCATGCTACAAGCCCTCATACCGCTATGGGCAGCTTCCAGCTCGGCAACGCTGCCCATCAC
 CTTCCGCTGCCTGGAGGAGGGCCTGGGTGTGGACCGCCGCATCACCAAGTTCTGCTCTGCCGTGGGCGCC
 ACGGTCAACATGGATGGCACTGCCCTCTACGAGGCCCTGGCTGCCATCTTCATTGCTCAAGTTAACT
 ACGAGCTCAACCTGGGTGAGTACAAACCATCAGCATCACGGCCACAGCAGCCAGTGTGGGGCTGCTGG
 CATCCCCAGGCGGGTCTGGTACCATGGTCATTGTGCTTACGTCGGTGGCTTGGCCACGGAAGACATC
 ACGCTCATATTGCCGTGGACTGGTTCCTTGACCGGCTTCGCACAATGACCAACGTACTGGGGACTCAA
 TTGGAGCGGCGTCATCGAGCACTTGTCTCAGCGGGAGCTGGAGCTTCAGGAAGCTGAGCTTACCCTCCC
 CAGCCTGGGAAACCCTACAAGTCCCTCATGGCACAGGAGAAGGGGCATCCCGGGACGGGAGGCAAC
 GAGAGTGTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221087 representing NM_005071
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MSSHGNSLFLRESGQRLGRVWLQRLQESLQQRALRTRLRLQTMLEHVLRLRRNAFILLTVSAVVIGV
 SLAFALRPYQLTYRQIKYFSFPGELLMRMLQMLVPLIVSSSLVTGMAASLDNKATGRMGMAAVYYMVTTI
 IAVFIGILMVTIIHPGKSKEGLHREGRIETIPTADAFMDLIRNMFPPNLVEACFKQFKTQYSTRVVRT
 MVRTENGSEPGASMPPPFSVENGTSLFENVTRALGTLQEMLSFEETVPVPGSANGINALGLVVFVSAFGL
 VIGGMKHKGRVLRDFDSLNEAIMRLVGIIWYAPVGILFLIAGKILEMEDMAVLGGQLGMYTLTVIVGL
 FLHAGIVLPLIYFLVTHRNPPFFIGGMLQALITAMGTSSSSATLPITFRCLEGLGVDRIITRFVLPVGA
 TVNMDGTALYEALAAIFIAQVNNYELNLGQITTTISITATAASVGAAGIPQAGLVTMIVLTSVGLPTEDI
 TLIIAVDWFLDRLRTMTNVLDGDSIGAAVIEHLSQRELELQEAELTLPISLGKPYKSLMAQEKGASRGRGGN
 ESAM

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_005071
ORF Size:	1692 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_005071.1</u>
RefSeq Size:	1719 bp
RefSeq ORF:	1695 bp
Locus ID:	6511
UniProt ID:	<u>P48664</u>
Cytogenetics:	19p13.12
MW:	61.4 kDa