

Product datasheet for **RC22252A1V**

Human Aminoadipate aminotransferase (AADAT) (NM_182662) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Aminoadipate aminotransferase (AADAT) (NM_182662) AAV Particle
Tag:	Myc-DDK
Symbol:	Aminoadipate aminotransferase
Synonyms:	KAT2; KATII; KYAT2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC22252 representing NM_182662 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAATTACGCACGGTTCATCACGGCAGCGAGCGCAGCCAGAAACCCCTTCTCCCATCCGGACCATGACTG
ACATATTGAGCAGAGGACCAAAATCGATGATCTCCTTGGCTGGTGGCTTACCAATCCAAACATGTTTCC
TTTTAAGACTGCCGTAATCACTGTAGAAAATGGAAAGACCATCCAATTTGGAGAAGAGATGATGAAGAGA
GCACCTTCAGTATTCTCCGAGTGCTGGAATTCAGAGCTTTTGTCTGGCTAAACAGTTACAAATAAAAT
TGCATAATCCTCTACCATCCATTACCCACCCAGTCAAGGACAAATGGATCTATGTGCACATCTGGCAG
CCAACAAGGTCTTTGTAAGGTGTTTGAATGATCATTAAATCCTGGAGATAATGTCCTCTAGATGAACCT
GCTTATTCAGGAACCTCTCAAAGTCTGCACCCACTGGGCTGCAACATTATTAATGTTGCCAGTGATGAAA
GTGGGATTGTTCCAGATTCCTAAGAGACATACTTCCAGATGGAAACCAGAAGATGCAAGAATCCCCA
GAAAAACACCCCAAAATTTCTTTATACTGTTCCAAATGGCAACAACCTACTGGAACTCATTAAACAGT
GAACGCAAAAAGGAAATCTATGAGCTTGCAAGAAAATATGATTCCTCATAATAGAAGATGATCCTTACT
ATTTTCTCCAGTTTAACAAGTTCAGGTACCAACATTTCTTTCCATGGATGTTGATGGACGTGTCATCAG
AGCTGACTCTTTTCAAAAATCATTTCTCTGGGTTGAGAATAGGATTTTAACTGGTCCAAAACCCCTTA
ATAGAGAGAGTTATTTACACATACAAGTTTCAACATTGCACCCAGCACTTTTAAACAGCTCATGATAT
CACAGCTTCTACACGAATGGGGAGAAGAAGTTTCATGGCTCATGTAGACAGGGTTATTGATTTCTATAG
TAACCAGAAGGATGCAATACTGGCAGCTGCAGACAAGTGGTTAACTGGTTTGGCAGAATGGCATGTTCTT
GCTGCTGGAATGTTTTATGGATTAAAGTTAAAGGCATTAATGATGTAAGAAGTGAAGAAAAGG
CCGTTAAGATGGGGTATTAATGCTCCCTGGAAATGCTTTCTACGTCGATAGCTCAGCTCCTAGCCCTTA
CTTGAGAGCATCTTCTCTCAGCTTCTCCAGAACAGATGGATGTGGCCTTCCAGGTATTAGCACAACCT
ATAAAGAATCTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC222252 representing NM_182662 Red=Cloning site Green=Tags(s) MNYARFITAASAARNPSPIRTMTDILSRGPKSMISLAGGLPNPNMFPPKTAVITVENGKTIQFGEEMMKR ALQYSPSAGIPELLSWLKQLQIKLHNPPTIHYPPSQGQMDLCVTSGSQGLCKVFEMIINPGDNVLLDEP AYSGTLQSLHPLGCNIINVASDESGIVPDSLRLDILSRWKPEDAKNPQKNTPKFLYTVPNGNNPTGNSLTS ERKKEIYELARKYDFLIIEDDPYYFLQFNKFRVPTFLSMDVDGRVIRADSFSKIISGLRIGFLTGPCKPL IERVILHIQVSTLHPSTFNQLMISQLLHEWGEEGFMHVDRVIDFYSNQKDAILAAADKWLTLAEWHVP AAGMFLWIKVKGINDVKELIEEKAVKMGVLMPLGNAFYVDSSAPSPYLASFSSASPEQMDVAFQVLAQL IKESL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_182662
ORF Size:	1275 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_182662.1, NP_872603.1</u>
RefSeq Size:	2108 bp
RefSeq ORF:	1278 bp
Locus ID:	51166
UniProt ID:	<u>Q8N5Z0</u>
Cytogenetics:	4q33
MW:	47.2 kDa