

## Product datasheet for **MR215408A1V**

### Mouse Amy2a4 (NM\_001160150) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Mouse Amy2a4 (NM_001160150) AAV Particle
Tag:	Myc-DDK
Symbol:	Amy2a4
Synonyms:	ENSMUSG00000074267; mAmy2-3; OTTMUSG00000022433
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>MR215408 representing NM\_001160150  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGTTCGTTCTGCTGCTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG  
 GGAGGACTGCTATTGTCCACCTGTTGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT  
 AGCTCCTAAGGGATTTGGAGGGGTGCAGGTCTCTCCACCCAATGAAAACGTTGTAGTTCATAACCCATCA  
 AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGGAAATGAAGATGAAT  
 TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCCAT  
 GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA  
 TTCCACAGCAGTCCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATGATACTACA  
 ATGATGCTTATCAGGTCAGAAATGTCGTCTGACTGGCCTTCTGGATCTTGCACTTGAGAAAGATTATGT  
 TCGTACCAAGGTGGCTGACTATATGAACCATCTCATTGACATTGGAGTAGCAGGGTTGCACTTGTATGCT  
 GCTAAGCACATGTGGCCTGGAGACATAAAGGCAGTTTTGGACAAACTGCATAATCTCAATACAAAATGGT  
 TCTCCAAGGAAGCAGACCTTTCATTTTCCAAGAGGTCATTGATCTGGGTGGTGAAGCAATTAAGGTAG  
 TGAGTACTTTGGAAATGGCCGTGTGACAGAATCAAGTATGGTGCAAACTTGGCACAGTTATCCGCAAG  
 TGGAAATGGCGAGAAGATGTCCTATTTAAAGAACTGGGGAGAAGGTTGGGGTTTGGTGCCTTCTGACAGAG  
 CCCTTGTGTTTGTGGACAACCATGATAATCAGCGAGGACATGGTGTGGAGGATCATCCATCCTGACATT  
 CTGGGATGCTAGAATGTATAAAATGGCTGTCCGATTTATGTTGGCTCATCCTTATGGATTACAAGAGTA  
 ATGTCAAGTTACCGTTGGAATAGAAATTTCCAGAATGGAAAAGATCAGAATGACTGGATTGGACCACCCA  
 ATAACAATGGAGTAACAAAAGAAGTGACCATTAATGCAGACACTACTTGTGGCAATGACTGGGCTGTGA  
 ACACAGATGGCGTCAAATCAGGAACATGGTTGCCTTTCAGGAATGTGGTCAATGGTCAGCCTTTTCAAAC  
 TGGTGGGATAATAACAGCAACCAAGTAGCTTTAGCAGAGGAAACAGAGGATTATTGTCTTTAAACAATG  
 ATGACTGGGCTTGTGACGCCACTTTACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGG  
 AGATAAGGTCGATGGCAATTGCACTGGACTTAGAGTGAATGTTGGCAGTGATGGCAAAGCTCACTTTTCC  
 ATTAGTAACTCTGCTGAGGACCCATTTATTGCAATCCATGCTGACTCAAATTG

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR215408 representing NM\_001160150  
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MKFVLLLSLIGFCWAQYDPHTSDGRTAIVHLFEWRWVDIAKECERYLAPKGFVGVQVSPNENNVVHNPS  
 RPWWERYQPISYKICTRSGNEDEFDMVTRCANNVGVRIYVDAVINHMCGAGNPAGTSSTCGSYLNPNNRE  
 FPAVPYSAWDFNDNKCNGEIDNYNDAYQVRNCRLTGLLDLALAKDYVRTKVADYMNHLIDIGVAGFRLDA  
 AKHMWPGDIKAVLDKLNHLNNTKWFSGSRPFIQVEIDLGGEAIKGYSEYFGNGRVTEFKYAKLGTVIRK  
 WNGEKMSYLNKNGEGWGLVPSDRALVFDNHDNQRGHGAGGSSILTFWDARMYKMAVGFMLAHPYGFTRV  
 MSSYRWRNRFQNGKDQNDWIGPPNNGVTKEVTINADTTCCGNDWVCEHRWRQIRNMVAFRNVVNGQPFNS  
 WWDNNSNQVAFSRGNRGI VFNDDWALSATLQTLGTPAGTYCDVISGDKVDGNCTGLRVNVGSDGKAHFS  
 ISNSAEDPFI A IHADSKL

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:**

Mouse

**Serotype:**

AAV-2

**ACCN:**

NM\_001160150

**ORF Size:**

1524 bp

<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001160150.1</a></u> , <u><a href="#">NP_001153622.1</a></u>
<b>RefSeq Size:</b>	3723 bp
<b>RefSeq ORF:</b>	1527 bp
<b>Locus ID:</b>	100043684
<b>UniProt ID:</b>	<u><a href="#">P00688</a></u>
<b>Cytogenetics:</b>	3
<b>MW:</b>	57.3 kDa