

Product datasheet for **MR227106A1V**

Mouse Alox5 (NM_009662) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Alox5 (NM_009662) AAV Particle
Tag:	Myc-DDK
Symbol:	Alox5
Synonyms:	5-LO; 5-LOX; 5LO; 5LX; AI850497; F730011J02
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR227106 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCCTCTACACGGTCACCGTGGCCACCGGCAGCCAGTGTTTCGCGGCACCGACGACTACATCTACC
 TCAGCCTCATTGGCTCTGCGGGCTGTAGCGAGAAGCATCTGCTGGACAAGGCATTCTACAATGACTTCGA
 ACGGGGCGCGGTGGACTCCTACGATGTACCGTGGATGAGGAGCTGGGCGAGATCTACCTAGTCAAAATT
 GAGAAGCGCAAATACTGGCTCCATGATGACTGGTACCTGAAGTACATCAGCTGAAGACACCCACGGGG
 ACTACATCGAGTTCCCATGTTACCGCTGGATCAGGGCAGGGCGAGATTGCTCTGAGGGATGGACGTGC
 AAAATTGGCCGAGATGACCAAATTCACATCCTCAAGCAGCACAGACGTAAGAAGCTGGAGGCACGGCAA
 AAACAGTATCGATGGATGGAGTGAACCCCGGCTTCCCTTTGAGTATTGATGCCAAATGCCACAAGGATC
 TGCCCCGAGATATCCAGTTTGATAGTGAAAAAGGAGTGGACTTTGTTCTGAACTACTCAAAGCGATGGA
 GAACCTGTTTCATCAACCGCTTCATGCATGTTCCAGTCTTCTGGCAGCACTTTGCTGACTTTGAGAAA
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 GCTACCACTTCCTGAATGGCTGCAACCCAGTACTCATCAAGCGCTGCACAGCGTTGCCCCGAAGCTCCC
 AGTGACCACAGAGATGGTGGAGTGCAGCCTAGAGCGGCAGCTCAGTTTGAACAGGAAGTACAGGAAGGG
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 GCCAAATCTGGGTGCGTTCCAGTGACTTCCACGTCCATCAAACGATCACCCACCTTCTGCGCACGCATC
 TGGTGTCTGAGGTGTTTGGTATCGCCATGTACCGCCAGCTGCCTGCTGTGCATCCCTTTTCAAGCTGCT
 GGTAGCCCATGTGAGGTTCAACATTGCTATCAACACTAAGGCCCGGGAACAGCTTATCTGCGAGTATGGC
 CTTTTTGACAAGGCCAATGCCACCGGGGTGGAGGGCACGTGCAGATGGTGCAGAGGGGTGTCCAGGATC
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 CTTCTACTTCTATCGTGATGATGGACTGCTCGTGTGGGAGGCTATCCAGTCGTTCAATGGAGGTGGTG
 AGCATCTACTATGAGAACGACCAGGTGGTGGAGGAGGACCAGGAAGTGCAGGACTTCGTGAAGGATGTTT
 ACGTGTACGGCATGCGGGGCAAAAAGGCCTCAGGTTTCCCAAGTCCATCAAGAGCAGGGAGAAGCTGTC
 CGAGTACCTGACGGTGGTGATCTTCACGGCCTCTGCCAGCATGCAGCTGTAACTTCGCCAGTATGAC
 TGGTGTCTCTGGATCCCAACGCTCCTCAACTATGCGGGCCCCACCACCCACGCCAAGGGTGTGGTCA
 CCATCGAGCAGATCGTGGATACTCTACCAGACCGTGGCCGATCATGTTGGCATCTAGGTGCAGTGTGGGC
 CTTGAGCCAGTTTCAAGAAAATGAGCTGTTTCTAGGCATGTACCCAGAGGAGCATTTTATTGAGAAGCCA
 GTGAAGGAAGCCATGATCCGATTCGCAAGAAGCTGGAGGCCATCGTCAGCGTGTATCGCCGAGCGCAATA
 AGAACAAAAGCTCCCTACTACTACCTGTACCAGACAGGATTCCCAACAGCGTAGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR227106 protein sequence Red=Cloning site Green=Tags(s) MPSYTVTVATGSQWFA GTDDYIYLSLIGSAGCSEKHLLDKAFYNDFERGA VDSYDVTVDEELGEIYLVKI EKRKYWLHDDWYLYITLKT PHGDYIEFPCYRWITGEGEIVLRDGRAKLARD DQIHILKQHRKELEARQ KQYRWMEWNP GFPLSIDAKCHKDLPRDIQFDSEKGVDFVLNYSKAMENLFINRFMHMFQSSW HDFADFEK IFVKISNTISERVKNHWQEDLMFGYQFLNGCNPVLIKRCTALPPKLPVTTEMVECSLERQLSLEQEVQEG NIFIVDYELLDGIDANKTDPCTHQFLAAPICLLYKNLANKIVPIAIQLNQTPGESNPIFLPTDSKYDWLL AKIWVRSSDFH VHQTI THLLRTHLVSEVFGIAMYRQLPAVHPLFKLLVAHVRF TIAINTKAREQLICEYG LFDKANATGGGGHVQMVQRAVQDLTYSSLCFPEAIKARGMDSTEDIPFYFYRDDG LLVWEAIQSFTMEVV SIYYENDQVVEEDQELQDFVKD VVYVYGMRGKKASGFPKSIKSREKLSEYLT VVIFTASAQHA AVNFGQYD WCSWIPNAPPTMRAPPTAKGVVTIEQIVDTLPDRGRSCWHLGAVWALSQFQENELFLGMYPEEHFIEKP VKEAMIRFRKNLEAIVSVIAERNKNKKLPY YYLSPDRIPNSVAI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_009662
ORF Size:	2022 bp
Buffer:	PBS with 0.001% Pluronic F4232
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_009662.2, NP_033792.1</u>
RefSeq Size:	2827 bp
RefSeq ORF:	2025 bp
Locus ID:	11689
UniProt ID:	<u>P48999</u>
Cytogenetics:	6 53.79 cM
MW:	78 kDa