

Product datasheet for **MR227302A1V**

Mouse Alox12 (NM_007440) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Alox12 (NM_007440) AAV Particle
Tag:	Myc-DDK
Symbol:	Alox12
Synonyms:	9930022G08Rik; Alox12p; P-12LO
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR227302 representing NM_007440
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGCTACCGCGTCCGTGTGGTCACTGGGCCTGGCTCTTCTCCGGATCCCTCAACCTAGTGCGTT
 TGTGGCTGGTTGGGGAGCACCGGGAGGCGAACTGGAGCTGCAACTGCGGCCAGCGCGGGCAAGGAGGA
 GGAGTTTGACTTCGACGTTCCCGAGGACTTGGGGCCACTGCAGTTTGTGAACTGCACAAACAGCACACA
 GTTGTGGATGACGCCTGGTTCTGCAACCTCATCAGTTTCAAGGGCCGGGGACAAGTGCAGAGGCCGTGT
 TTCCCTGCTACCGCTGGGTGCAGGGAGAGGGAATCCTGAGCCTCCCGAGGGGACAGCCCGCTGCGCAGG
 AGACAATGCCTTAGATGTCTTCCAGAAGTATCGAGAAAAGGAAGTGAAGGAAAGACAACAGACCTACTGC
 TGGGCCACCTGGAAAGAAGGCTTACCTCAGACAATAGCAGCGGACTGTAAGGATGACCTTCTCCAAATA
 TGAGATTCCATGAGGAGAAGAGACTGGACTTTGAATGGACGTTGAAGGCGGGGTTCTGGAAATGGGCCT
 CAAACGTGTTTATACCCTCCTGAGAAGCTGGAACCATCTGGAAGACTTTGATCAGATCTTCTGGGCCAG
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 ATGGCGCCAACCCCATGCTTTTGAGACGCTCCACCTCTCTGCCCTCCAGACTGGTACTGCCCTCTGGGAT
 GGAGGAGCTTCAAGCTCAGTTGGAGAAAAGAACTCAAGAATGGATCCCTGTTTGAAGCTGACTTTATCCTG
 CTGGATGGAATTCAGCTAATGTGATCCGAGGAGAACCACAGTACCTGGCTGCCCTCTTGTGATGCTGA
 GGATGGACCCCGGTGGGAAGCTGCTACCATGGCTATCCAGATTACAGCCCTAACCCAGCTCCCCAGC
 TCCAACACTGTTCTGCCCTCGGATCCTCCACTTGCTGGCTCTTGGCTAAGATCTGGGTCCGAAATTCA
 GATTTCCAACTGCAGGAGCTCCAATTCATTTGCTGAACACCCATCTGGTGGCTGAGGTCATCGCTGTTG
 CCACCATGAGATGCCTCCAGGACTGCACCTATCTTCAAGCTCCTCGTTCCACACATCCGTTACACTAT
 GGAAATTAACACGCGAAGCCGGACCCAGCTCATCTCAGATGGAGGAATATTTGATCAGGTAGTGAGCACA
 GGTGGAGGCGGCCATGTTTCAGTTGCTTACTCGGGCAGTGGCTCAGCTGACTTACCACTCCCTCTGTCTC
 CTGATGATCTGGCTAACCGAGGCCTGCTGAGAATCCCAAGTGTCTCTATGCTCGGGATGCTTTACAGCT
 CTGGGAAGTCACTGCCAGGTATGTGAAGGGGATGGTCCATCTCTTCTACCAGAGTGATGATATTGTGAGG
 GGAGACCCAGAGCTGCAGGCCTGGTGTGCGGAGATCACTGAAGTGGGGCTGTGCCATGCCAGGACAGAG
 GATTCCCTGTCTCCTTCCAGTCCCGGGCTCAGCTCTGCCATTTCTCACCATGTGTGTTTTCACATGCAC
 TGCCCAGCATGTGCCATCAACCAGGGCCAGCTGGACTGGTATGGTTGGGTACCTAATGCTCCATGCACA
 ATGAGGATGCCTCCGCCACCAGCAAGGACGACGTGACGATGGAGACCGTGATGGGGTCGCTACCTGATG
 TGCAGAAAGCCTGTCTTCAGATGACTATCACATGGCACCTGGGTGCGCTGCAGCCAGACATGGTACCTCT
 AGGACACCACACAGAAAAATATTTCTCAGACCCAAGGACCAAGCTGTGCTCAGCCAATTTCAAGCAGAT
 TTGGACAATTTGGAGAAAGAGATTACAGCCCGGAATGAGCAACTTGACCTGCCTTATGAATACCTCAAGC
 CCAGCCGCATAGAGAACAGTATCACCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR227302 representing NM_007440 Red=Cloning site Green=Tags(s) MGRYRVRVVTGAWLFSGSLNLVRLWLVEGHEAKLELQLRPARGKEEEFDVDPEDLGPLQFVKLHKQHT VVDDAWFCNLITVQGPSTSAEAVFPCYRWVQGEGLSLPEGTARLAGDNALDVFKYREKELKERQQTYC WATWKEGLPQTIAADCKDDLPPNMRFHEEKRLDFEWTLKAGVLEMLKRVYTLRLSWNHLEDFDQIFWGQ KSALAEKVHQCWQEDELFGYQFLNGANPMLLRSTSLPSRLVLP SGMEELQAQLEKELKNGSLFEADFIL LDGIPANVIRGE PQYLAAPLVMLRMDPGGKLLPMAIQPPNPSSPAPTLFLPSDPPLAWLLAKIWVRNS DFQLQELQFHLLNTHLVAEVIATMRCLPGLHPIFKLLVPHIRYTMETRSTQLISDGGIFDQVYST GGGGHVQLLTRAVALTYHSLCPPDDLNRGLLRIPSALYARDALQLWEVTARYVKGMVHLFYQSDDIVR GDPELQAWCREITEVGLCHAQDRGFPVSFQSRAQLCHFLTMCVFTCTAQHAAINQGQLDWYGWVPNAPCT MRMPPTSKDDVTMETVMGSLPDVQKACLQMTITWHLGRLQPDMPVPLGHHTKEYFSDPRTKAVLSQFQAD LDNLEKEITARNEQLDLPYEYLKPSRIENSITI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_007440
ORF Size:	1989 bp
Buffer:	PBS with 0.001% Pluronic F4259
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_007440.4</u>
RefSeq Size:	2991 bp
RefSeq ORF:	1992 bp
Locus ID:	11684
UniProt ID:	<u>P39655</u>
Cytogenetics:	11 42.99 cM
MW:	75.8 kDa