

Product datasheet for **RC208343A1V**

Human ALOX12B (NM_001139) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALOX12B (NM_001139) AAV Particle
Tag:	Myc-DDK
Symbol:	ALOX12B
Synonyms:	12R-LOX; ARCI2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC208343 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCACCTACAAAGTCAGGGTGGCCACAGGCACCGACCTCTTGTCGGGAACACGGGACTCCATCTCAC
TGACCATTGTGGGGACACAAGGAGAGAGCCATAAGCAGCTGCTGAACCACTTTGGGAGAGACTTTGCAAC
TGGGGCGGTGGGCCAGTACACCGTGCACTGCCCTCAGGACCTGGGTGAGCTCATCATCATCCGCCTGCAC
AAAGAGCGGTACGCCTTCTTCCCAAGGACCCTTGGTACTGCAACTATGTGCAGATCTGTGCCCCAACG
GCCGTATCTACCACTTCCCGCCTACCACTGGATGGATGGCTACGAGACCCTGGCACTCCGGGAGGCCAC
AGGAAAGACAACAGCAGATGACTCGTCCCGTCTCTGGAGCACAGAAAAGAGGAGATCAGAGCCAAG
CAGGACTTCTACCACTGGCGAGTCTTTCTTCTGGCCTGCCAGCTATGTGCACATTCCAGTTACCGCC
CTCCGGTGGGAGGCATCGCAACCCCAACCGCCTGAGTGAATGGCTATATTCCGGGATTCCCAATTCT
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TTCGTCGCCCTGGGGCCATGGCACTGGCTTTCAAAGTCCGCGCCTGTTGGACTGCAAAACATTCGTGGA
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ATGATGCCCATCGCCATCCAGCTCAGCCAGACCCTGGGCCAGATTGCCCCATCTTCTGCCAGTGATT
CTGAGTGGGACTGGCTGCTAGCCAAGACGTGGGTACGCTATGCGGAGTTCTACAGCCACGAGGCCATCGC
CCACCTGCTGGAGACACACCTCATTGCTGAGGCCTTCTGCCTGGCCTTGCTGAGGAACCTGCCCATGTGC
CACCCCTCTACAAGCTCCTCATCCCCATACCCGATACACCGTCCAGATCAACAGCATTGGCCGGGCCG
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CGGAGATCATCACCTATTATTACCGAGTGACGCAGCCGTGGAGGGTATCCGGAATTGCAGTCTTGGGT
GCAGGAAATATTTAAAGAGTGCCTCCTGGGCGGGAGAGCTCAGGCTCCCTAGGTGCTTGCGAACCGTG
CCTGAGCTGATCCGATATGTCACTATAGTCATCTACACCTGCTCTGCAAGCACGCTGCTGTCAACACAG
GCCAGATGGAGTTCACCGCTGGATGCCCAACTTCCAGCGTCCATGCGGAATCCACCGATTCACTAA
GGGGCTGACCACTCTGGAGACCTTCATGGACACGTTGCCGGATGTGAAGACCACGTGCATCACGCTGCTG
GTGCTCTGGACCTCAGCCGAGAGCCTGACGACAGGCGGCCCTGGGACACTTCCCGGACATTCACTTCG
TGGAGGAGGCCCGCGGAGGAGCATAGAGGCGTTCGCCAGCGCCTGAACCAGATCTCACACGACATCCG
CCAGCGCAACAAGTGCTTCCCATCCCCTACTACTACCTGGACCCGGTGTGATTGAGAACAGCATTCT
ATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC208343 protein sequence Red=Cloning site Green=Tags(s) MATYKVRVATGTDLLSGTRDSISLTIVGTQGESHKQLLNHFGRDFATGAVGQYTVQCPQDLGELIIIRLH KERYAFFPKDPWYCNYVQICAPNGRIYHFAYQWMDGYETLALREATGKTTADDSLPVLEHRKEEIRAK QDFYHWRVFLPGLPSYVHIPSYPVRRHRNPNRPEWNGYIPGFPILINFKATKFLNLNLRYSFLKTASF FVRLGPMALAFKVRGLLDCKHSWKRLKDIRKIFPGKKSVMSEYVAEHWAEDTFFGYQYLNGVNPGLIRRC TRIPDKFPVTDDMVAPFLGEGTCLQAELEKGNILADYRIMEGIPTVELSGRKQHHCAPLCLLHFGPEGK MMPIAIQLSQTGPDCEIFLPSDSEWDWLLAKTWVRYAEFYSHEAIAHLLLETHLIAEAFCLALLRNLMC HPLYKLLIPHTRYTVQINSIGRAVLLNEGGLSAKGMSLGVEGFAGVMVRALSELTYDSL YLPNDFVERGV QDLPGY YRDDLAVWNALEKYVTEIITYYPSDAAVEGDPELQSWVQEIFKECLLGRESSGFPRCLRTV PELIRYVTIVITCSAKHAAVNTGQMEFTAWMPNFPASMRNPPIQTKGLTTLET FMDTLPDVKTTCITLL VLWTL SREPDDRPLGHFPDIHFVEEAPRRSIEAFRQLNQISHDIRQNKCLPIPYYYLDPVLIENSIS I TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001139
ORF Size:	2103 bp
Buffer:	PBS with 0.001% Pluronic F6254
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_001139.1</u>
RefSeq Size:	2502 bp
RefSeq ORF:	2106 bp
Locus ID:	242
UniProt ID:	<u>O75342</u>
Cytogenetics:	17p13.1
MW:	80.4 kDa