

Product datasheet for **RC214075A1V**

Human 15 Lipoxxygenase 2 (ALOX15B) (NM_001039131) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human 15 Lipoxxygenase 2 (ALOX15B) (NM_001039131) AAV Particle
Tag:	Myc-DDK
Symbol:	ALOX15B
Synonyms:	15-LOX-2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC214075 representing NM_001039131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCGAGTTCAGGGTCAGGGTGTCCACCGGAGAAGCCTTCGGGGCTGGCACATGGGACAAAGTGTCTG
 TCAGCATCGTGGGGACCGGGGAGAGACCCCCACTGCCCCTGGACAATCTCGGCAAGGAGTTCAGTGC
 GGGCGCTGAGGAGGACTTCCAGGTGACGCTCCCGGAGGACGTAGGCCGAGTGTCTGCTGCTGCGCTGCAC
 AAGCGCCCCCAGTGTGCCCTGCTGGGGCCCTGGCCCCGATGCCTGGTTCTGCGCTGTTCCAGC
 TGACACCGCCCGGGGCGGCCACCTCTTCCCTGCTACCAAGTGGTGGAGGGGGCGGGACCTGGT
 GCTGCAGGAGGGTACAGCAAGGTGTCTGGGACAGCACCACCTGTGCTCCAGCAACAGCGCCAGGAG
 GAGCTTACAGCCCGGAGGAGATGTACCAAGTGAAGGCTTACAACCCAGGTTGGCCTCACTGCCTGGATG
 AAAAGACAGTGAAGACTTGGAGCTCAATATCAAATACTCCACAGCCAAGAATGCCAATTTTATCTACA
 GGCTGGCTCTGCTTTTGCAGAGATGAAATCAAGGGTGTCTGGACCGCAAGGGGCTCTGGAGGAGTCTG
 AATGAGATGAAAAGGATCTTCAACTTCCGGAGGACCCAGCAGCTGAGCACGCATTTGAGCACTGGCAGG
 AGGACGCCTTCTCGCCTCCAGTTCCTGAATGGTCTCAACCCTGTCTGATCCGCCGCTGTCACTACCT
 CCCAAAGAACTTCCCGTCACTGATGCCATGGTGGCCTCAGTGTGGGTCTGGGACCACTTGCAGGCT
 GAGCTAGAGAAGGGTCCCTGTTCTTGGTGGATACCGCATCCTCTGCGCATCCAGACCAATGTCATTA
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 GCCTCTCGCCATCCAGCTCAGCCAGACCCCGGCCAACAGCCCATCTTCTGCCACTGATGACAAG
 TGGGACTGGTTGCTGGCAAGACCTGGGTGCGCAATGCCGAGTTCTCTTCCATGAGGCCCTCACGCACC
 TGCTGCACCTACATCTGCTGCTGAGGTCTTCAACCTGGCTACCCTGCGTCAGTGCCTCACTGCCACCC
 TCTCTTCAAGTCCACAGGCATCGGCATTGAAGGCTTCTCTGAGTTGATACAGAGGAACATGAAGCAGCTG
 AACTATTCTCTCTGTGTCTGCTGAGGATATCCGACCCGAGGAGTTGAAGACATCCAGGCTACTACT
 ACCGTGATGATGGGATGCAGATCTGGGTATACCTCCTCACTGGAGACCCGGGAAGCCCTGGTGCAGTA
 TGTCACCATGGTATTCACCTGCTCCGCAAGCATGCGGCTGTCACTGCAGGGCAGTTTGACTCCTGT
 GCTTGGATGCCAACCTGCCACCCAGCATGCAGTGCACCCACCCACCTCCAAGGCCTGGCAACATGCG
 AGGGCTTCATAGCCACCCTCCACCTGTCAATGCCACATGTGATGTCATCCTTGTCTCTGGTTGCTGAG
 CAAGGAGCCTGGAGACCAAGGCCCTGGGCACCTATCCGGATGAGCACTTACAGAGGAGGCCCTCGG
 CGGAGCATCGCCACCTTCCAGAGCCGCTGGCCAGATCTCGAGGGGCATCCAGGAGCGGAACCAGGGCC
 TGGTGTGCCCTACACCTACCTAGACCTCCCCTCATCGAGAACAGCGTCTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214075 representing NM_001039131
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MAEFRVRVSTGEAFGAGTWKVSIVGTRGESPLPLDNLGKEFTAGAEEDFQVTLPEDVGRVLLLRVH
 KAPPVLPPLGPLAPDAWFCRWFQLTPPRGGHLLFCYQWLEGAGTLVLQEGTAKVSWADHHPVLQQQRQE
 ELQARQEMYQWKAYNPGWPHCLDEKTVEDLELNLIKYSTAKNANFYLQAGSAFAEMKIKGLDRKGLWRS
 NEMKRIFNFRRTPAAEHAFEHWQEDAFFASQFLNGLNPVLIRRCHYLPKNFPVTDAMVASVLGPGTSLQA
 ELEKGSFLVDHGILSGIQTNVINGKPFSAAPMTLLYQSPGCGPLLPLAIQLSQTGPNSPIFLPTDDK
 WDWLLAKTWVRNAEFSFHEALTHLLHSHLLPEVFTLATLRQLPHCHPLFKSTGIGIEGFSELIQRNMKQL
 NYSLLCLPEDIRTRGVEDIPGYYYRDDGMQIWGIPSSLETREALVQYVTMVFITCSAKHAAVSAGQFDSC
 AWMPNLPPSMQLPPPTSKGLATCEGFIALPPVNATCDVILALWLLSKEPGDQRPLGTYPDEHFTTEEAPR
 RSIATFQSRQAQISRGIQERNQLVLPYTYLDPLIENSYSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001039131
ORF Size:	1806 bp
Buffer:	PBS with 0.001% Pluronic F7145
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_001039131.1</u>
RefSeq Size:	2508 bp
RefSeq ORF:	1809 bp
Locus ID:	247
UniProt ID:	<u>O15296</u>
Cytogenetics:	17p13.1
MW:	67.2 kDa