

Product datasheet for **RC217259A1V**

Human 5 Lipxygenase (ALOX5) (NM_000698) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human 5 Lipxygenase (ALOX5) (NM_000698) AAV Particle
Tag:	Myc-DDK
Symbol:	ALOX5
Synonyms:	5-LO; 5-LOX; 5LPG; LOG5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC217259 representing NM_000698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCCCTCTACACGGTCACCGTGGCCACTGGCAGCCAGTGTTTCGCCGGCACTGACGACTACATCTACC
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 CCATTGAGCAGATCGTGGACACGCTGCCGACCGCGGCCGCTCCTGCTGGCATCTGGGTGCAGTGTGGGC
 GCTGAGCCAGTTCAGGAAAACGAGCTGTTCTGGGCATGTACCCAGAAGAGCATTTTATCGAGAAGCCT
 GTGAAGGAAGCCATGGCCGATTCCGCAAGAACCTCGAGGCCATTGTGACGCGTATTGCTGAGCGCAACA
 AGAAGAAGCAGCTGCCATATTACTACTTGTCCCGACCGGATTCCGAACAGTGTGGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC217259 representing NM_000698 Red=Cloning site Green=Tags(s) MPSYTVTVATGSQWFA GTDDYIYLSLVGSAGCSEKHL LDKPFYNDFERGA VDSYDVTVD EELGEIQLVRI EKRKYWLND DWLYKYITL KTPHGDYIEFPCYRWITGDVEV VLRDGRAKLARDDQIHLKQHRRKELETRQ KQYRWMEWNP GFPLSIDAKCHKDLPRDIQFDSEKGVDFVLNYSKAMENLFINRFMHMFQSSWNDFADFEK IFVKISNTISERVMNHQEDLMFGYQFLNGCNPVLI RRCTELPEKLPVTTEMVECSLERQLSLEQEVQQG NIFIVDFELLDGIDANKTDPCTLQFLAAPICLLYKNLAN KIVPIAIQLNQIPGDENPIFLPSDAKYDWLL AKIWVRSSDFH VHQTI THLLRTHLVSEVFGIAMYRQLPAVHPIFKLLVAHVRF TIAINTKAREQLICECG LFDKANATGGGGHVQMVQRAMKDLTYASLCFPEAIKARGMESKEDI PYYFYRDDGLLVWEAIRTFTA EVV DIYYEGDQVVEEDPELQDFVNDVYVYGMGRKSSGFPKSVKSREQLSEYLT VVIFTASAQHA AVNFGQYD WCSWIPNAPPTMRAPPTAKGVVTIEQIVDTLPDRGRSCWHLGAVWALSQFQENELFLGMYPEEHFIEKP VKEAMARFRKNLEAIVSVIAERNKKKQLPYYYLSPDRIPNSVAI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000698
ORF Size:	2022 bp
Buffer:	PBS with 0.001% Pluronic F7661
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_000698.2</u>
RefSeq Size:	2568 bp
RefSeq ORF:	2025 bp
Locus ID:	240
UniProt ID:	<u>P09917</u>
Cytogenetics:	10q11.21
MW:	77.8 kDa