

Product datasheet for **RC202008A1V**

Human Squalene Epoxidase (SQLE) (NM_003129) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Squalene Epoxidase (SQLE) (NM_003129) AAV Particle
Tag:	Myc-DDK
Symbol:	SQLE
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202008 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGACTTTTCTGGGCATTGCCACTTTCACCTATTTTTATAAGAAGTTCGGGGACTTCATCACTTTGG
 CCAACAGGGAGGTCTGTGTGCGTGCTGGTGTTCCTCTCGCTGGGCCTGGTGCTCTCTACCGCTGTCG
 CCACCGAAACGGGGTCTCTCGGGCGCCAGCAGAGCGGCTCCAGTTCCGCCCTTTCTCGGATATTCTC
 TCAGGCCTGCCTTTATTGGCTTCTTCTGGGCCAAATCCCCCCTGAATCAGAAAATAAGGAGCAGCTCG
 AGGCCAGGAGCGCAGAAAAGGAACCAATATTTAGAAAACAAGCTTAATAGGAACAGCTGCCTGTACATC
 AACATCTTCTCAGAATGACCCAGAAGTTATCATCGTGGGAGCTGGCGTGCTTGGCTCTGCTTTGGCAGCT
 GTGCTTTCCAGAGATGGAAGAAAGGTGACAGTCATTGAGAGAGACTTAAAGAGCCTGACAGAATAGTTG
 GAGAATTCCTGCAGCCGGGTGGTTATCATGTTCTCAAAGACCTTGGTCTTGGAGATACAGTGAAGGTCT
 TGATGCCCAGGTGTAAATGGTTACATGATTGATGATCAGGAAAGCAATCAGAGTTTCAGATTCCTTAC
 CCTCTGTGAGAAAACAATCAAGTGCAGAGTGAAGAGCTTCCATCACGGAAGATTTCATCATGAGTCTCC
 GGAAAGCAGCTATGGCAGAGCCCAATGCAAAGTTTATTGAAGGTGTGTGTACAGTTATTAGAGGAAGA
 TGATGTTGTGATGGGAGTTTCACTACAAGGATAAAGAGACTGGAGATATCAAGGAACTCCATGCTCCACTG
 ACTGTTGTTGCAGATGGGCTTTTCTCCAAGTTCAGGAAAAGCCTGGTCTCCAATAAAGTTTCTGTATCAT
 CTCATTTTGTGGCTTTCTTATGAAGAATGCACCACAGTTTAAAGCAAATCATGCTGAATTTATTTAGC
 TAACCCGAGTCCAGTTTCTCATCTACCAGATTTTCATCCAGTGAACTCGAGTACTTGTGTGACATTAGAGGA
 GAAATGCCAAGGAATTTAAGAGAATACATGGTTGAAAAATTTACCCACAATACTGATCACCTGAAAG
 AACCATTCTTAGAAGCCACTGACAATTTCTCATCTGAGGTCCATGCCAGCAAGCTTCCTTCTCTTCATC
 AGTGAAGAAACGAGGTGTTCTTCTTTTGGGAGACGCATATAATATGAGGCATCCACTTACTGGTGGAGGA
 ATGACTGTTGCTTTTAAAGATATAAACTATGGAGAAAAGTCTAAAGGGTATCCTGACCTTTATGATG
 ATGCAGCTATTTTCGAGGCCAAAAATCATTTTACTGGGCAAGAAAAACATCTATTCTTTGTCGTGAA
 TATCCTTGCTCAGGCTCTTTATGAATTATTTCTGCCACAGATGATTCCCTGCATCAACTAAGAAAGCC
 TGTTTTCTTTATTTCAAACCTGGTGGCGAATGTGTGCGGGTCTGTTGGGCTGCTTTCTGTATTGTCTC
 CTAACCTCTAGTTTTAATTGGACACTTCTTGTGTTGCAATCTATGCCGTGATTTTTGCTTTAAGTC
 AGAACCTTGGATTACAAAACCTCGAGCCCTTCTCAGTAGTGGTGTGATTGTACAAAGCGTGTCTGTA
 ATATTTCTCTAATTTACTCAGAAATGAAGTATATGGTTCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202008 protein sequence
 Red=Cloning site Green=Tags(s)

MWTFGLIATFTYFYKKFGDFITLANREVLLCVLVFLSLGLVLSYRCRHRNGLLGRQQSGSQFALFSDIL
 SGLPFI GFFWAKSPPESENKEQLEARRRRKGTNISETSLIGTAECTSTSSQNDPEV IIVGAGVLGSALAA
 VLSRDGRKVTVIERDLKEPDRI VGEFLQPGGYHVLKDLGLGDTVEGLDAQV VNGYMIHDQESKSEVQIPY
 PLSENNQVQSGRAFHGGRFIMSLRKAAMAEPNAKFIEGVVLQLLEDDVVMGVQYKDKETGDIKELHAPL
 TVVADGLFSKFRKSLVSNKVSSSHVFGFLMKNAPQFKANHAELILANSPVL IYQISSSETRVLVDIRG
 EMPRNLREYMVEKIYPQIPDHLKEPFLEATDNSHLRSMFASFLPPSSVKKRGVLLLGDAYNMRHPLTGGG
 MTVAFKDIKLWRKLLKGIPDL YDDAAIFEAKKSFYWARKTSHSFVNNILAQALYELFSATDDSLHQLRKA
 CFLYFKLGGECVAGPVGLLSVLSPNPLVLIGHFFAVAIYAVYFCFKSEPWITKPRALLSSGAVLYKACSV
 IFPLIYSEMKYMVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_003129
ORF Size:	1722 bp
Buffer:	PBS with 0.001% Pluronic F5265
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_003129.3</u>
RefSeq Size:	2989 bp
RefSeq ORF:	1725 bp
Locus ID:	6713
UniProt ID:	<u>Q14534</u>
Cytogenetics:	8q24.13
MW:	63.9 kDa