

Product datasheet for **RC227444A1V**

Human Sphingomyelin Synthase 2 (SGMS2) (NM_001136258) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	Sphingomyelin Synthase 2
Synonyms:	CDL; SMS2
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence: >RC227444 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATATCATAGAGACAGCAAACTTGAAGAACATTTGGAAAATCAACCCAGTGATCCTACGAACACTT
ATGCAAGACCCGCTGAACCTGTTGAAGAAGAAAAACAAAATGGCAATGGTAAACCAAGAGCTTATCCAG
TGGGCTGCGAAAAGGCACCAAAAGTACCCGACTATATCCAAATTGCTATGCCCACTGAATCAAGGAAC
AAATTTCCACTAGAGTGGTGGAAAACGGGCATTGCCTTCATATATGCAGTTTTCAACCTCGCTTGACAA
CCGTCATGATCACAGTTGTACATGAGAGGGTCCCTCCAAGGAGCTTAGCCCTCCACTCCCAGACAAGTT
TTTTGATTACATTGATAGGGTGAATGGGCATTTCTGTATCAGAAATAAATGGGATTATATTAGTTGGA
TTATGGATCACCCAGTGGCTGTTTCTGAGATACAAGTCAATAGTGGGACGCAGATTCTGTTTTATTATTG
GAACTTTATACCTGTATCGCTGCATTACAATGTATGTTACTACTCTACCTGTGCCTGGAATGCATTTCCA
GTGTGCTCCAAGCTCAATGGAGACTCTCAGGCAAAAGTTCAACGGATTCTACGATTGATTTCTGGTGGT
GGATTGTCCATAACTGGATCACATATCTTATGTGGAGACTTCTCTTCAGCGGTCACACGGTTACGCTGA
CACTGACTTATTTGTTTCATCAAAGAATATTCGCCTCGTCACTTCTGGTGGTATCATTTAATCTGCTGGCT
GCTGAGTGTGCCGGGATCATCTGCATTCTGTAGCACACGAACACTACACTATCGATGTGATCATTGCT
TATTATACACAACACGACTGTTTTGGTGGTACCATTCAATGGCCAATGAAAAGAACTTGAAGGTCTCTT
CACAGACTAATTTCTTATCTCGAGCATGGTGGTTCCCATCTTTTATTTTTTGAGAAAAATGTACAAGG
CTCAATTCCTTGCTGCTTCTCCTGGCCGCTGTCTTGGCCTCCTGGCTGCTTCAAATCATCATGCAAAAAG
TATTCACGGGTTCAAGAGATTGGTGAAGACAATGAGAAATCGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:	>RC227444 protein sequence Red=Cloning site Green=Tags(s) MDIETAKLEEHLNQPSDPTNTYARPAEPVEEENKNGNGPKSLSSGLRKGTKKYPDYIQIAMPTESRN KFPLEWWKTGIAFIYAVFNLVLTVMITVVERVPPKELSPPLPDKFFDYIDRVKWAHSVSEINGIILVG LWITQWLFLRYKSIVGRRFCFIIGTLYLYRCITMYVTTLVPVGMHFQCAPKLNQDSQAKVQRILRLISGG GLSITGSHILCGDFLFGHTVTLTLTYLFIKEYSPRHFWWYHLICWLLSAAGIICILVAHEHYTIDVIA YYITTRLFWWYHSMANEKNLKVSSQTNFLSRAWWFPIFYFFEKNVQGSIPCCFSWPLSWPPGCFKSSCKK YSRVQKIGEDNEKST TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001136258
ORF Size:	1095 bp
Buffer:	PBS with 0.001% Pluronic F68
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_001136258.1</u>
RefSeq Size:	6162 bp
RefSeq ORF:	1098 bp
Locus ID:	166929
UniProt ID:	<u>Q8NHU3</u>
Cytogenetics:	4q25
MW:	42.3 kDa