

Product datasheet for **RC221269A1V**

Human SMYD1 (NM_198274) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SMYD1 (NM_198274) AAV Particle
Tag:	Myc-DDK
Symbol:	SMYD1
Synonyms:	BOP; KMT3D; ZMYND18; ZMYND22
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC221269 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACAATAGGGAGAATGGAGAACGTGGAGGTCTTCACCGCTGAGGGCAAAGGAAGGGTCTGAAGGCCA
 CCAAGGAGTTCTGGGCTGCAGATATCATCTTTGCTGAGCGGGCTTATTCCGACAGTGGTTTTTGACAGCCT
 TGTTAATTTTGTGTGCCACACCTGCTTCAAGAGGCAGGAGAAGCTCCATCGCTGTGGCAGTGCAAGTTT
 GCCCATTACTGCGACCGCACCTGCCAGAAGGATGCTTGGCTGAACCACAAGAATGAATGTTGCGCCATCA
 AGAGATATGGGAAGGTGCCAATGAGAACATCAGGCTGGCGGCGGCATCATGTGGAGGTGGAGAGAGA
 AGGCACCGGGCTCAGGAGGGCTGCCTGGTGTCCGTGGACGACTTGCAGAACCACGTGGAGCACTTTGGG
 GAGGAGGAGCAGAAGGACCTGCGGGTGGACGTGGACACATTCTTGCAGTACTGGCCGCCGAGAGCCAGC
 AGTTTCAGCATGCAGTACATCTCGCACATCTTCGGAGTGATTAAGTCAACGGTTTTACTCTCAGTGATCA
 GAGAGGCTGCAGGCCGTGGGCTAGGCATCTCCCCAACCTGGGCTGGTGAACCATGACTGTTGCCCC
 AACTGTACTGTATATTTAACAATGGCAATCATGAGGCAGTGAAATCCATGTTTTCATACCCAGATGAGAA
 TTGAGCTCCGGGCCCTAGGCAAGATCTCAGAAGGAGAGGAGCTGACTGTGTCCTATATTGACTTCCTCAA
 CGTTAGTGAAGAACGCAAGAGGCAGCTGAAGAAGCAGTACTACTTTGACTGCACATGTGAACACTGCCAG
 AAAAACTGAAGGATGACCTCTTCTGGGGGTGAAAGACAACCCCAAGCCCTCTCAGGAAGTGGTGAAGG
 AGATGATACAATTCTCAAGGATACATTGGAAGAGATAGACAAGGCTCGTTCCGAGGGTTTGTATCATGA
 GGTTGTGAAATTATGCCGGGAGTGCCTGGAGAAGCAGGAGCCAGTGTTTGTGACACCAACATCTACATG
 CTGCGGATGCTGAGCATTGTTTCGGAGGTCCTTCTACCTCCAGGCCTTTGAGGAGGCCTCGTTCTATG
 CCAGGAGGATGGTGGACGGCTATATGAAGCTCTACCACCCCAACAATGCCCACTGGGCATGGCCGTGAT
 GCGGGCAGGGCTGACCAACTGGCATGCTGGTAACATTGAGGTGGGGCACGGGATGATCTGCAAGCCTAT
 GCCATTCTCTGGTGACACACGACCCCTCCACCCCATCACTAAGGACTTAGAGGCCATGCGGGTGCAGA
 CGGAGATGGAGCTACGCATGTTCCGCCAGAAGCAATTCATGTACTACAAGATGCGCGAGGCTGCCCTGAA
 CAACCAGCCCATGCAGGTATGCGCGAGCCAGCAATGAGCCATCCCCAGCTCTGTTCCACAAGAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221269 protein sequence
 Red=Cloning site Green=Tags(s)

MTIGRMENVEVFTAEGKGRGLKATKEFWAADIIFAERAYSAVVFDLSLVNFVCHTCFKRQEKLRHRCGQCKF
 AHYCDRTCQKDAWLNHKNECSAIKRYGKVPNENIRLAARIMWRVEREGTGLTEGCLVSVDDLQNHVEHFG
 EEEQKDLRVDVDTFLQYWPPQSQQFSMQYISHIFGVINCNGFTLSDQRLQAVGVGIFPNLGLVNHDCWP
 NCTVIFNNGNHEAVKSMFHTQMRIELRALGKISEGEELTVSYIDFLNVSEERKRQLKKQYFDCTCEHCQ
 KKLKDDLFLGVKDNPKPSQEVVKEMIQFSKDTLEKIDKARSEGLYHEVVKLCRECLEKQEPVFADTNIYM
 LRMLSIYSEVLSYLQAFEEASFYARMVDGYMKLYHPNNAQLGMVMRAGLTNWHAGNIEVGHGMICKAY
 AILLVTHGPSHPITKDLEAMRVQTEMELRMFRQNEFMYKMRREALNNQPMQVMAEPSNEPSPALFHKKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_198274

ORF Size:

1470 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_198274.2</u>
RefSeq Size:	4441 bp
RefSeq ORF:	1473 bp
Locus ID:	150572
UniProt ID:	<u>Q8NB12</u>
Cytogenetics:	2p11.2
MW:	56.6 kDa