

Product datasheet for **MR209795A1V**

Mouse Smpd3 (NM_021491) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Smpd3 (NM_021491) AAV Particle
Tag:	Myc-DDK
Symbol:	Smpd3
Synonyms:	4631433G07Rik; AI427456; AW537966; fro; nSMase2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR209795 representing NM_021491
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTTTGTACACGACCCCTTTCCTAATAGCTGTCTGTCTGCCCTCCACGCCGTGTCCTGGGCCCTCA
 TCTTCCCATGTTACTGGCTGGTGACCGCTGTTGGCCTCTTTCATACCCACCACCTATGAGAAGCGCCA
 GAGGGCAGATGACCCCTGCTGCCTGCAGCTGTTCTGCACGGTCTCTTACGCCAGTCTACCTGGCTCTG
 CTTGTGGCTGCACTGCCCTTTCCTTTCTCGGTTTCATCTTCTGGTCTCCACTGCAGTCTGCCGCCGGC
 CCTACTCTACTCCCGCTAGAAGACAAGAACCAGCTGGTGGGCAGCCCTGCTTAGTGAATGGAAGGG
 CACGGGGCAGGCAAAAGCTTTTGCTTCGCCACGGCCAATGTCTGCCTCTCCCGACTCACTCGCAGG
 CTCAATAATGTGTTCAACACTCAAGCTCGGGCCAAAGAGATTGGGCAGAGAATCCGAATGGGGCCGCA
 GGCCTCAGATCAAGATCTACATCGATTCTCCACCAACACCTCCATCAGTGCAGCCAGCTTCAGCAGCT
 GGTGTCCGCACAGGGTGGTATGGATCCAGAGCTGTTCTGGGAGCATTAAAGAGACAGCCTCTGTGAA
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 ACGGAAGCCTTGAGGACAGCTGCATTGTGCAATTGGTGGCGAGGAAGGAGGTGCGGCACAAGAAGCTGA
 TGACCTGCTGCCGGGAGCCAAGCCAGGAATGGGGCTGGTGGGACCCAAAGGGCCAGACACCCAAACCAC
 AATCAGCGAGATGGGGATTCTGGGAGCCTGGGCAGCCCTCAGCCTCCAGGGAGTCTTGGTGAAGGCAC
 GGGCTGGGCAAGACAGTGGTGGCAGCGGAGAGCCAGGGGCTAACAGCAAGCTGCTGTATAAGACCTCTGT
 GGTGAAGAAGGCAGCAGCCGCGAGGAGCGCCACCTGATGAAGCCTTTGACCAGAGGTCTCAGCCTTC
 TTCCCGCCAATCTGGACTTCTGTGCCTGCAGGAGGTGTTTGACAAGCGTGGGCTGCTAAGTTGAAAG
 AGCAGCTACACGGCTACTTCAGTACATCCTGTATGATGTTGGGTCTACGTTGTATGTTGCTGCAA
 TTTCAAATGTCTCAACAGCGGTCTCTTCTCGCCAGCCGCTACCCTGTCATGGACGTGGCCTATCACTGT
 TACCCAATGGGTGCAGTTCGATGCCCTGGCCTCTAAGGAGCTCTGTTTCTCAAGGTGCAGGTGGGAA
 GCACACCTCAGGACCAAGAATTGTTGGGTACATCGCCTGCACACACCTGCATGCCCCACCAGAGGACAG
 TGCCGTCCGTGTGAGCAGCTGGACCTGCTTCAGGACTGGCTGGCTGATTTCCGAAAATCTACCTCCTCG
 ACCAGCACAGCCAACCCGAGGAGCTGGTGGTGTGACGTCTCTGTGGAGATTGAACCTTGATAACT
 GCTCTTCTGATGACAACTGGAGCAGCAGCACTCGCTCTTACTCGCTACAAAGACCCCTGCCGCTTGG
 GCCCGGGAGGAGAAGCCTTGGGCCATTGGCACCTGCTGGACACAAACGGTCTCTATGATGAGGATGTG
 TGTACCCCGACAACCTTCAAAAGGTGTTGGAGAGCGAGGAAGCCGCGAGGAGTATCTGGCCTTCCCA
 CCAGCAAGAGCCAGGTGCTGGGCAGAAAGGGCCGAAGGATCTGCTGAAGGGCAATGGCCGCCGATCGA
 CTACATGCTGCACGCCGAGGAGGGGCTGTGCCCTGACTGGAAGGCTGAGGTAGAAGAATTCAGTTTTATC
 ACCCAGCTGTCCGGCCTGACCGACCACCTCCCGTGGCATGCGGCTGATGGTGTCTGCAGGGGAAGAGG
 AGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR209795 representing NM_021491 Red=Cloning site Green=Tags(s) MVLYTTPFPNSCLSAHVASWALIFPCYWLVDRLASFIPPTYEKRQRADDPCCQLQFCTVLFTPVYLAL LVAALPFAFLGFIFWSPLQSARRPYSYSRLEDKNPAGGAALLSEWKGAGKSFATANVCLLPDSLAR LNNVNTQARAKEIGQIRNGAARPQIKIYIDSPNTSISAASFSSLVSPQGGDSRAVPGSIKRTASVE YKGDGGRHPSDEAANGPASGEQADGSLEDSCIVRIGGEEGGRPQEADDPAAAGSQARNAGGTPKGQTPNH NQRDGDSGSLGSPSASRESLVKARAGQDSGGSGEPGANSKLLYKTSVVKKAAARRRRHPDEAFDHEVSFAF FPANLDFLCLQEVDKRAAAKLEQLHGYFEYILYDVGVYGCCHGCCNFKCLNSGLFFASRYPMVDVAYHC YPNGCSFDALASKGALFLKVQVGSTPQDQIRIVGYIACHTLHAPPEDSAVRCEQLDLLQDWLADFRKSTSS TSTANPEELVVFVDVICGDLNFDNCSSDDKLEQQHSLFTRYKDPCRLGPGEKPWAI GTLLDTNGLYDEDV CTPDNLQKVLSEEGRREYLAFPTSKSPGAGQKGRKDLLKGNRRIDYMLHAEGLCPDWKAEVEEFSFI TQLSGLTDHLPVAMRLMVSAGEEEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_021491
ORF Size:	1965 bp
Buffer:	PBS with 0.001% Pluronic F896
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_021491.3</u>
RefSeq Size:	5148 bp
RefSeq ORF:	1968 bp
Locus ID:	58994
UniProt ID:	<u>Q9JY3</u>
Cytogenetics:	8 D3
MW:	71.6 kDa