

Product datasheet for **RC204143A1V**

Human SMAD9 (NM_005905) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SMAD9 (NM_005905) AAV Particle
Tag:	Myc-DDK
Symbol:	SMAD9
Synonyms:	MADH6; MADH9; PPH2; SMAD8; SMAD8/9; SMAD8A; SMAD8B
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC204143 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACTCCACCACCCCATCAGCTCCCTCTTCTCCTTCACCAGCCCCGAGTGAAGAGACTGCTAGGCT
GGAAGCAAGGAGATGAAGAGGAAAAGTGGGCAGAGAAGGCAGTGGACTCTCTAGTGAAGAAGTTAAAGAA
GAAGAAGGGAGCCATGGACGAGCTGGAGAGGGCTCTCAGCTGCCCGGGGCAGCCAGCAAATGCGTCACG
ATCCCCGCTCCCTGGACGGCGGCTGCAGGTGTCCACCGCAAGGGCCTGCCCATGTGATTTACTGTC
GCGTGTGGCGCTGGCCGATCTGCAGTCCCACCAGAGCTGAAGCCGCTGGAGTGTGTGAGTTCCCAT
TGGCTCCAAGCAGAAAGAAGTGTGCATTAAACCTTACCCTACCCTACCGCCGGTGGAGACTCCAGTACTGCCT
CCTGTGCTCGTGCCAAGACACAGTGAATATAACCCCCAGCTCAGCCTCCTGGCCAAGTTCCGCAGCGCCT
CCCTGCACAGTGAAGCACTCATGCCACACAACGCCACCTATCCTGACTCTTTCCAGCAGCCTCCGTGCTC
TGCACTCCCTCCCTACCCAGCCACGCGTTCTCCAGTCCCCGTGCACGCCAGCTACCCTCACTCCCCA
GGAAGTCCTTCTGAGCCAGAGAGTCCCTATCAACACTCAGACTTTGACCAAGTTGTTACGAGGAGCCCC
AGCACTGGTGCTCGGTGCGCTACTATGAACTGAACAACCGAGTTGGGAGACATTCCAGGCTTCTCCCG
AAGTGTGCTCATAGATGGGTTACCGACCTTCAAATAACAGGAACAGATTCTGTCTTGAGCTTCTTTCT
AATGTAACAGAACTCAACGATAGAAAATACCAGGAGACATATAGGAAAGGTTGTGCACTTGTACTACG
TCGGGGGAGAGGTGTATGCCGAGTGCCTGAGTGACAGCAGCATCTTTGTGAGAGCCGGAAGTGAACATA
TCAACACGGCTTCCACCAGCTACCGTCTGCAAGATCCCAGCGGCTGCAGCCTCAAGGTCTTCAACAAC
CAGCTCTTCGCTCAGCTCCTGGCCAGTCAGTTCACCACGGCTTTGAAGTCGTGTATGAACTGACCAAGA
TGTGTACTATCCGGATGAGTTTTGTTAAGGGTTGGGGTGTGAGTATCATCGCCAGGATGTCACCAGCAC
CCCCTGCTGGATTGAGATTCATCTTCATGGGCCACTGCAGTGGCTGGACAAGTTCTGACTCAGATGGGC
TCTCCACATAACCCCATTTCTTCAGTGTCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC204143 protein sequence Red=Cloning site Green=Tags(s) MHSTTPISSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDSL VKKLKKKKGAMDELERALSCPGQPSKCVT IPRSLDGRLQVSHRKGLPHVIYCRVWRWPDLSHHEKPLECEFFPGSKQKEVCINPYHYRRVETPVLP PVLVPRHSEYNPQLSLLAKFRSASLHSEPLMPHNATYPDSFQQPPCSALPPSPSHAFSQSPCTASYPHSP GSPSEPESPYQHSDFRPVCYEEPOHWC SVAYYELNNRVGETFQASSRSVLIDGFTDPSNNRNRFLGLLS NVNRNSTIENTRRHIGKVHLYYVGGEVYAEVSDSSIFVQSRNCNYQHGFHPATVCKIPSGCSLKVFNN QLFAQLLAQSVHHGFEVYELTKMCTIRMSFVKGWGAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLTMG SPHNPISSVS SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005905
ORF Size:	1290 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_005905.2</u>
RefSeq Size:	5481 bp
RefSeq ORF:	1293 bp
Locus ID:	4093
UniProt ID:	<u>O15198</u>
Cytogenetics:	13q13.3
MW:	48.6 kDa