

Product datasheet for **RC225792A1V**

Human SMAD9 (NM_001127217) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	SMAD9
Synonyms:	MADH6; MADH9; PPH2; SMAD8; SMAD8/9; SMAD8A; SMAD8B
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC225792 representing NM_001127217
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACTCCACCACCCCATCAGTCCCTCTTCTCCTTACCAGCCCCGAGTGAAGAGACTGCTAGGCT
 GGAAGCAAGGAGATGAAGAGGAAAAGTGGGCAGAGAAGGCAGTGGACTCTCTAGTGAAGAAGTTAAAGAA
 GAAGAAGGGAGCCATGGACGAGCTGGAGAGGGCTCTCAGTGCCTGGGGGAGCCAGCAAATGCGTCACG
 ATCCCCCGCTCCCTGGACGGGCGGCTGCAGGTGTCCACCGCAAGGGCTGCCCATGTGATTTACTGTC
 GCGTGTGGCGCTGGCCGGATCTGCAGTCCACACGAGCTGAAGCCGCTGGAGTGTGTGAGTTCCTTCCATT
 TGGCTCCAAGCAGAAAGAAGTGTGATTAACCCCTTACCACTACCGCGGGTGGAGACTCCAGTACTGCCT
 CCTGTGCTCGTGCCAAGACACAGTGAATATAACCCCACTCAGCCTCCTGGCCAAGTTCGCAGCGCCT
 CCCTGCACAGTGAAGCACTCATGCCACACAACGCCACCTATCTGACTCTTCCAGCAGCCTCCGTGCTC
 TGCCTCCCTCCCTACCCAGCCACGCTTCTCCAGTCCCGTGCAGGCCAGCTACCTCACTCCCA
 GGAAAGTCTTCTGAGCCAGAGAGTCCCTATCAACACTCAGTTGACACACACCCCTGCCTTATCATGCCA
 CAGAAGCCTCTGAGACCCAGAGTGGCCAACCTGTAGATGCCACAGCTGATAGACATGTAGTGTATCGAT
 ACCAAATGGAGACTTTCGACCAAGTTTGTACGAGGAGCCCCAGCACTGGTGTCTGGTCTGCCTACTATGAA
 CTGAACAACCGAGTTGGGAGACATTCAGGCTTCTCCGAAGTGTGCTCATAGATGGGTTACCGACC
 CTTCAAATAACAGGAACAGATTCTGTCTTGGACTTCTTCTAATGTAACAGAACTCAACGATAGAAAA
 TACCAGGAGACATATAGAAAGGGTGTGCACTTGTACTACGTCGGGGGAGAGGTGTATGCCAGTGCCTG
 AGTGACAGCAGCATCTTGTGCAGAGCCGGAAGTCAACTATCAACACGGCTTCCACCCAGTACCGTCT
 GCAAGATCCCAGCGGCTGCAGCCTCAAGGTCTTCAACAACAGCTTTCGCTCAGCTCCTGGCCAGTC
 AGTTCAACACGGCTTTGAAGTCGTGTATGAAGTACCAAGATGTGTACTATCCGGATGAGTTTGTAAAG
 GGTTGGGGTGTGAGTATCATGCCAGGATGTCAACAGACCCCTGCTGGATTGAGATTCACTTTCATG
 GGCCACTGCAGTGGCTGGACAAAGTTCTGACTCAGATGGGCTCTCCACATAACCCCATTTCTTCAGTGTCT
 T

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225792 representing NM_001127217
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MHSTTPISLSFSTSPAVKRLLGWKGDEEEKWAEKAVDSL VKKLKKKGAMDELERALSCPGQPSKCVT
 IPRSLDGRLLQVSHRKGLPHVIYCRVWRPDLQSHHELKPLECEFPFGSKQKEVCINPYHYRRVETPVL
 PVLVPRHSEYNPQLSLLAKFRSASLHSEPLMPHNATYPDSFQQPPCSALPPSPSHAFSQSPTASYPHSP
 GSPSEPESPYQHSVDTPPLPYHATEASETQSGQPVDATADRHVLSIPNGDFRPVCYEEPPQHWCVSAYYE
 LNNRVGETFQASSRVLIDGFTDPSNNRNRFCLGLLSNVNRNSTIENTRRHIGKVHLYYVGGEVYAEV
 SDSSIFVQSRNCNYQHGFHPATVCKIPSGCSLKVFNQLFAQLLAQSVHHGFVYVELTKMCTIRMSFVK
 GWGAHEYHRQDVTSTPCWIEIHLHGPLQWLDKVLTQMGSPhNPISVS

SGPTRTRRLE**QKLISEEDLAANDILDYKDDDDKV**

Species: Human

Serotype: AAV-2

ACCN: NM_001127217

ORF Size: 1401 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_001127217.1</u>
RefSeq ORF:	1404 bp
Locus ID:	4093
UniProt ID:	<u>O15198</u>
Cytogenetics:	13q13.3
MW:	52.3 kDa