

Product datasheet for **RC204604A1V**

Human SMAD2 (NM_005901) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SMAD2 (NM_005901) AAV Particle
Tag:	Myc-DDK
Symbol:	SMAD2
Synonyms:	hMAD-2; hSMAD2; JV18; JV18-1; MADH2; MADR2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204604 representing NM_005901
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGTCACCTTTGCCATTACGCGCCAGTTGTGAAGAGACTGCTGGGATGGAAGAAGTCAGCTGGT
 GGTCTGGAGGAGCAGGCCGAGGAGAGCAGAATGGGCAGGAAGAAAAGTGGTGTGAGAAAAGCAGTAAAAAG
 TCTGGTGAAGAAGCTAAAGAAAACAGGACGATTAGATGAGCTTGAAGAAAGCCATCACCCTCAAACTGT
 AATACTAAATGTGTACCATACCAAGCCTTGTCTGAAATTTGGGGACTGAGTACACCAATACGATAG
 ATCAGTGGGATACAACAGGCCTTACAGCTTCTCTGAACAAACCAGGTCTCTTGTGATGGTCTCCAGGT
 ATCCCATCGAAAAGGATTGCCACATGTTATATATTGCCGATTATGGCGCTGCCCTGATCTTCACAGTCAT
 CATGAACTCAAGGCAATTGAAAACGCAATATGCTTTAATCTTAAAAAGGATGAAGTATGTGTAACCC
 CTTACCACTATCAGAGAGTTGAGACACCAGTTTGCCTCCAGTATTAGTCCCGACACACCGAGATCCT
 AACAGAACTTCCGCTCTGGATGACTATACTCACTCCATTCCAGAAAACACTAATTCCAGCAGGAATT
 GAGCCACAGAGTAATTATATCCAGAAAACGCCACTCCTGGATATATCAGTGAAGATGGAGAAAACAAGT
 ACCAACAGTTGAATCAAAGTATGGACACAGGCTCTCCAGCAGAACTATCTCTACTACTCTTTCCCTGT
 TAATCATAGCTTGGATTTACAGCCAGTTACTTACTCAGAACCTGCATTTTGGTGTTCGATAGCATATTAT
 GAATTAATCAGAGGGTTGGAGAAAACCTTCCATGCATCACAGCCCTCACTCACTGTAGATGGCTTTACAG
 ACCCATCAAATCAGAGAGGTTCTGCTTAGGTTTACTCTCCAATGTTAACCGAAATGCCACGGTAGAAAT
 GACAAGAAGGCATATAGGAAGAGGAGTGCCTTATACTACATAGGTGGGAAGTTTTTGTGAGTGCCTA
 AGTGAATAGTGAATCTTTGTGCAGAGCCCAATTGTAATCAGAGATATGGCTGGCACCCGCAACAGTGT
 GTAAAATCCACCAGGCTGTAATCTGAAGATCTTCAACAACCAGGAATTTGCTGCTCTTCTGGCTAGTC
 TGTTAATCAGGGTTTTGAAGCCGCTCTATCAGCTAACTAGAATGTGCACCATAAGAATGAGTTTTGTGAAA
 GGGTGGGAGCAGAATACCGAAGGCAGACGGTAAACAAGTACTCCTTGCTGGATTGAACCTCATCTGAATG
 GACCTCTACAGTGGTTGGACAAAGTATTAACTCAGATGGGATCCCTTCAGTGCCTTGTCAAGCATGTC
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204604 representing NM_005901
 Red=Cloning site Green=Tags(s)

MSSILPFTPPVVKRLLGWKSAGGSGGAGGGEQNGQEEKWCEKAVKSLVKLKKTGRLDELEKAITTQNC
 NTKCVTIPSTCSEIWGLSTPNTIDQWDTTGLYSFSEQTRSLDGRQLQVSHRKLPHVIYCRWRWPDLSH
 HELKAIENCEYAFNLKDEVCVNPYHYQRVETPVLPPVLVPRHTEILTELPDDYTHSIPENTNFPAGI
 EPQSNYIPETPPPGYISEDGETSDQQLNQSMGTGSPAELSPPTLSPVNHSLDLQPVTYSEPAFWCSIAYY
 ELNQRVGETFHASQPSLTVDFGTDPSNSERFCLGLLSNVNRNATVEMTRRHIGRGVRLYYIGGEVFAECL
 SDSAIFVQSPNCNQRYPATVCKIPPGCNLKFNNQFAALLAQSVNQGFVAVYQLTRMCTIRMSFVK
 GWGAERYRQTVTSTPCWIELHLNGLQWLDKVLTQMGSPSVRCSMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_005901

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_005901.3</u>
RefSeq Size:	5415 bp
RefSeq ORF:	1404 bp
Locus ID:	4087
UniProt ID:	<u>Q15796</u>
Cytogenetics:	18q21.1
MW:	52.1 kDa