

Product datasheet for **RC201828A1V**

Human SMAD4 (NM_005359) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SMAD4 (NM_005359) AAV Particle
Tag:	Myc-DDK
Symbol:	SMAD4
Synonyms:	DPC4; JIP; MADH4; MYHRS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201828 representing NM_005359
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAATATGTCTATTACGAATACACCAACAAGTAATGATGCCTGTCTGAGCATTGTGCATAGTTTGA
 TGTGCCATAGACAAGGTGGAGAGAGTGAACATTTGCAAAAAGAGCAATTGAAAGTTGGTAAAGAAGCT
 GAAGGAGAAAAAGATGAATTGGATTCTTTAATAACAGCTATAACTACAATGGAGCTCATCCTAGTAAA
 TGTGTTACCATACAGAGAACATTGGATGGGAGGCTTCAGGTGGCTGGTCGAAAGGATTTCTCATGTGA
 TCTATGCCCTCTCTGGAGGTGGCTGATCTTCACAAAATGAACTAAAACATGTTAAATATTGTCAGTA
 TGCCTTTGACTTAAAATGTGATAGTGTCTGTGTAATCCATATCACTACGAACGAGTTGTATCACCTGGA
 ATTGATCTCTCAGGATTAACACTGCAGAGTAATGCTCCATCAAGTATGATGGTGAAGGATGAATATGTGC
 ATGACTTTGAGGGACAGCCATCGTTGTCCACTGAAGGACATTCAATCAAACATCCAGCATCCACCAAG
 TAATCGTGCATCGACAGAGACATACAGCACCCAGCTCTGTTAGCCCCATCTGAGTCTAATGCTACCAGC
 ACTGCCAACTTTCCCAACATTCCTGTGGCTTCCACAAGTCAGCCTGCCAGTATACTGGGGGGCAGCCATA
 GTGAAGGACTGTTGCAGATAGCATCAGGGCCTCAGCCAGGACAGCAGCAGAATGGATTTACTGGTCAGCC
 AGCTACTTACCATCATAACAGCACTACCACCTGGACTGGAAGTAGGACTGCACCATACACACCTAATTTG
 CCTCACCACAAAACGGCCATCTTCAGCACCACCCGCCTATGCCGCCCATCCCGGACATTACTGGCCTG
 TTCACAATGAGCTTGATTCCAGCCTCCATTTCCAATCATCTGCTCCTGAGTATTGGTGTTCATTGC
 TTACTTTGAAATGGATGTTCCAGGTAGGAGAGACATTTAAGGTTCTTCAAGCTGCCCTATTGTTACTGTT
 GATGGATACGTGGACCTTCTGGAGGAGATCGCTTTTGTGGTCAACTCTCCAATGTCCACAGGACAG
 AAGCCATTGAGAGAGCAAGGTTGCACATAGGCAAGGTGTGCAGTTGGAATGTAAGGTGAAGGTGATGT
 TTGGGTCAGGTGCCTTAGTGACCACCGGCTCTTTGTACAGAGTACTACTTAGACAGAGAAGCTGGGCGT
 GCACCTGGAGATGCTGTTTATAAGATCTACCAAGTGCATATATAAAGGTCTTTGATTTGCGTCAGTGTC
 ATCGACAGATGCAGCAGCAGGCGGCTACTGCACAAGCTGCAGCAGCTGCCAGGCAGCAGCCGTGGCAGG
 AAACATCCCTGGCCAGGATCAGTAGGTGGAATAGCTCCAGCTATCAGTCTGTCAGCTGCTGTTGGAATT
 GGTGTTGATGACCTTCGTCGCTTATGCATACTCAGGATGAGTTTTGTGAAAGGCTGGGGACCGGATTACC
 CAAGACAGAGCATCAAAGAAACACCTTGTGGATTGAAATTCACTTACACGGGCCCTCCAGCTCTAGA
 CGAAGTACTTCATACCATGCCGATTGCAGACCCACAACCTTTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MDNMSITNTPTSNDACLSIVHSLMCHRQGGSETFAKRAIESLVKLLKEKKDELDSLITAITTNGAHPK
 CVTIQRTLDGRLQVAGRKGFPHVIYARLWRWPDHLKKNELKHKVYCYAFDLKCDSSVCVNPYHYERVVSPG
 IDLSGLTLQSNAPSSMMVKDEYVHDFEQPSLSTEGHSIQTIQHPPSNRASTETYSTPALLAPSESNATS
 TANFPNIPVASTSQPASILGGSHSEGLLQIASGPQPGQQNGFTGQPATYHNNSTTTWTGSRTPYTPNL
 PHHQNGHLQHPPMPHPGHYWPVHNELAFQPPISNHPAPEYWCISIAFYEMDVQVGETFKVPSSCPIVTV
 DGYVDPSSGDRFCLGQLSNVHRTEAIERARLHIGKGVQLECKGEGDVVWRCLSDHAVFVQSYLDRDREAGR
 APGDAVHKIYPSAYIKVFDLRQCHRQMQQAATAQAAAAAQAQAAVAGNIPGPGSVGGIAPAIISLSAAAGI
 GVDDLRLCILRMSFVKGWGPDYPRQSIKETPCWIEIHLHRLQLLDEVLHTMPIADPQLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_005359

ORF Size:	1656 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_005359.3</u>
RefSeq Size:	3220 bp
RefSeq ORF:	1659 bp
Locus ID:	4089
UniProt ID:	<u>Q13485</u>
Cytogenetics:	18q21.2
MW:	60.3 kDa