

Product datasheet for **RC238697A1V**

Human Collagen IV (COL4A1) (NM_001303110) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Collagen IV (COL4A1) (NM_001303110) AAV Particle
Tag:	Myc-DDK
Symbol:	Collagen IV
Synonyms:	BSVD; BSVD1; COL4A1s; PADMAL; RATOR
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC238697 representing NM_001303110
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGCCCCGGCTCAGCGTCTGGCTGTGCTGCTGCTGCCCGCCGCCCTTCTGCTCCACGAGGAGCAGCC
 GGGCCGCTGCGAAGGGTGGCTGTGCTGGCTCTGGCTGTGGCAATGTGACTGCCATGGAGTGAAGGGACA
 AAAGGGTGAAAGAGGCCTCCCGGGTTACAAGGTGTCATTGGGTTTCTGGAATGCAAGGACCTGAGGGG
 CCACAGGGACCACGAGCAAAAAGGTGATACTGGAGAACCAGGACTACCTGGAACAAAAGGGACAAGAG
 GACCTCCGGGAGCATCTGGCTACCTGGAAACCAGGACTTCCCGGAATTCCTGGCCAAGACGGCCCGCC
 AGGCCCCCAGGTATTCCAGGATGCAATGGCACAAGGGGAGAGAGGGCCGCTCGGGCCTCTGGCTTG
 CCTGGTTTCGCTGGAAATCCCGGACCACAGGCTTACCAGGGATGAAGGGTATCCAGGTGAGATACTTG
 GCCATGTGCCCGGATGCTGTTGAAAGGTGAAAGAGGATTTCCCGGAATCCAGGGACTCCAGGCCACC
 AGGACTGCCAGGGCTTCAAGTCTGTGGGCTCCAGGATTTACCGGACCACAGGTCCCCAGGCCCT
 CCCGGCCCTCAGGTGAAAAGGGACAAATGGGCTTAAGTTTTCAGGACCAAAAGGTGACAAGGGTGACC
 AAGGGGTCACTGGGCCTCCAGGAGTACCAGGACAAGCTCAAGTTCAAGAAAAAGGAGACTTCGCCACAA
 GGGAGAAAAGGGCCAAAAGGTGAACCTGGATTTCAGGGGATGCCAGGGGTGGAGAGAAAGGTGAACCC
 GGAAAACAGGACCCAGAGGCAAAACCCGAAAAGATGGTGACAAAGGGGAAAAAGGGAGTCCCGTTTTC
 CTGGTGAACCCGGGTACCCAGGACTCATAGGCCGCCAGGGCCCGCAGGGAGAAAAGGGTGAAGCAGGTCC
 TCCTGGCCACCTGGAATTGTTATAGGCACAGGACCTTGGGAGAAAAAGGAGAGAGGGGCTACCTGGA
 ACTCCGGGGCCAAGAGGAGAGCCAGGCCAAAAGGTTTCCAGGACTACCAGGCCAACCCGACCTCCAG
 GCCTCCCTGTACCTGGCAGGCTGGTGCCCTGGCTTCCCTGGTGAAGAGGAGAAAAAGGTGACCGAGG
 ATTTCTGGTACATCTCTGCCAGGACCAAGTGGAAAGAGATGGGCTCCCGGGTCCCTGGTTCCCTGGG
 CCCCCTGGGCAGCCTGGCTACACAAATGGAATTGTGGAATGTCAGCCCGACCTCCAGGTGACCGGGTC
 CTCCTGGAATTCAGGGCAGCCAGGATTTATAGCGAAATGGAGAGAAAGGTCAAAAAGGAGAGAGTTG
 CCTCATCTGTGATATAGACGGATATCGGGGGCTCCCGGGCCACAGGACCCCGGGAGAAATAGGTTTC
 CCAGGGCAGCCAGGGGCCAAGGGCGACAGAGGTTGCCTGGCAGAGATGGTGTTGCAGGAGTGCCATTGC
 TTTTCAATCCATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238697 representing NM_001303110
 Red=Cloning site Green=Tags(s)

MGPRLSVWLLLLPAALLLHEEHSRAAAKGGCAGSGCGKCDCHGVKGQKGERGLPGLQGVIGFPGMQGPEG
 PQGPPGQKGDTEPGLPGTKGTRGPPGASGYPGNPGLPGIPGQDGPFGPPGIPGCNGTKGERGLGPPGL
 PGFAGNPGPPGLPGMKDPEILGHVPGMLLKGERGFPGIPGTPGPPGLPGLQGPVGPFGTGPFGPPGP
 PGPPGEKGMGLSFQGPKGDKGDQGVSPGVPQAQVQEKGDFATKGEKGQKGEFGQMPGVGEKGEF
 GKPGPRGKPGDKGDKGKSPGFPGEYPGLIGRQGPQGEKGEAGPPGPPGIVIGTGPLGEKGERGYPG
 TPGPRGEPGKGFPLPGQPGPPGLPVPQAGAPGFPGERGEKGDGFPGLPGSPGRDGLPGPPGSPG
 PPGQPGYTNGIVECQPGPPDQGPPIPGQPGFIDGEIKGQKGESCLICDIDGYRPPGPQGPPEIGF
 PGQPGAKGDRGLPGRDGVAGVPLLFQIHK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001303110

ORF Size:

1557 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_001303110.1</u>
RefSeq Size:	2601 bp
RefSeq ORF:	1560 bp
Locus ID:	1282
UniProt ID:	<u>P02462</u>
Cytogenetics:	13q34
MW:	50.2 kDa