

Product datasheet for **RC226017A1V**

Human MMP2 (NM_001127891) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MMP2 (NM_001127891) AAV Particle
Tag:	Myc-DDK
Symbol:	MMP2
Synonyms:	CLG4; CLG4A; MMP-2; MMP-II; MONA; TBE-1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC226017 representing NM_001127891
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGC

ATGCAATACCTGAACACCTTCTATGGCTGCCCCAAGGAGAGCTGCAACCTGTTTGTGCTGAAGGACACAC
 TAAAGAAGATGCAGAAGTTCTTTGGAAGTCCCGGACAGAGGTGATCTTGACGAGAATACCATCGAGACCAT
 GCGGAAGCCACGCTGCGGCAACCCAGATGTGGCAACTACAACCTCTTCCTCGCAAGCCCAAGTGGGAC
 AAGAACCAGATCACATACAGGATCATTGGCTACACACCTGATCTGGACCCAGAGACAGTGGATGATGCCT
 TTGCTCGTGCCTTCCAAGTCTGGAGCGATGTGACCCCACTGCGGTTTTCTCGAATCCATGATGGAGAGGC
 AGACATCATGATCAACTTTGGCCGCTGGGAGCATGGCGATGGATACCCCTTTGACGGTAAGGACGGACTC
 CTGGCTCATGCCTTCGCCCCAGGCACTGGTGTGGGGGAGACTCCCATTTTGATGACGATGAGCTATGGA
 CCTTGGGAGAAGGCCAAGTGGTCCGTGTGAAGTATGGGAACGCCGATGGGGAGTACTGCAAGTCCCTTT
 CTTGTTCAATGGCAAGGAGTACAACAGCTGCACTGATACCGGCCGAGCGATGGCTTCTCTGGTGTCTCC
 ACCACCTACAACCTTTGAGAAGGATGGCAAGTACGGCTTCTGTCCCATGAAGCCCTGTTACCATGGGCG
 GCAACGCTGAAGGACAGCCCTGCAAGTTTCCATTCCGCTTCCAGGGCACATCCTATGACAGCTGCACCAC
 TGAGGGCCGACGGATGGCTACCGCTGGTGCAGCACCCTGAGGACTACGACCGCGACAAGAAGTATGGC
 TTCTGCCTGAGACCGCATGTCCACTGTTGGTGGAACTCAGAAGGTGCCCCCTGTGTCTTCCCTTCA
 CTTTCTGGGCAACAAATATGAGAGCTGCACGACGCCGCGCAGTGACGGAAGATGTGGTGTGCGAC
 CACAGCCAACTACGATGATGACCGCAAGTGGGGCTTCTGCCCTGACCAAGGGTACAGCCTGTTCTCTGTG
 GCAGCCACGAGTTTGGCCACGCCATGGGGCTGGAGCACTCCCAAGACCCTGGGGCCCTGATGGCACCCA
 TTTACACCTACACCAAGAACTTCCGTCTGTCCAGGATGACATCAAGGGCATTGAGGAGCTCTATGGGGC
 CTCTCCTGACATTGACCTTGGCACCAGGCCACCCACCGCTGGGCCCTGTCACTCCTGAGATCTGCAAA
 CAGGACATTGATTTGATGGCATCGCTCAGATCCGTGGTGAGATCTTCTTCTTCAAGGACCGGTTTCAATT
 GGCGGACTGTGACGCCACGTGACAAGCCATGGGGCCCTGCTGGTGGCCACATTCTGGCCTGAGCTCCC
 GGAAAAGATTGATGCGGTATACGAGGCCCCACAGGAGGAGAAGGCTGTGTTCTTTCAGGGAATGAATAC
 TGGATCTACTCAGCCAGCACCCTGGAGCGAGGGTACCCCAAGCCACTGACGAGCCTGGGACTGCCCCCTG
 ATGTCCAGCGAGTGGATGCCGCTTTAACTGGAGCAAAAACAAGAAGACATACATCTTTGCTGGAGACAA
 ATTCTGGAGATACAATGAGGTGAAGAAGAAAATGGATCCTGGCTTCCCAAGCTCATCGAGATGCCTGG
 AATGCCATCCCGATAACCTGGATGCCGTCTGGACCTGCAGGGCGGCGGTACAGCTACTTCTTCAAGG
 GTGCCTATTACCTGAAGCTGGAGAACCAAGTCTGAAGAGCGTGAAGTTTGAAGCATCAATCCGACTG
 GCTAGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MQYLNIFYGCPKESCNLFVLKDTLKKMQKFFGLPQTGDLDQNTIETMRKPRCGNPDVANYNFFPRPKPKWD
 KNQITYRIIGYTPDLDPETVDDAFARAFQVWSDVTPLRFSRIHDGEADIMINFRWEHGDGYPFDGDKGL
 LAHAFAPGTGVGGDSHFDDDELWTLGEGQVVRVKYGNADGEYCKFPFLFNGKEYNSCTDGRSDGFLWCS
 TTYNFEKDGKYGFCPHEALFTMGNAEQPCKFPFRFQGTSYDSCTTEGRDGYRWCCTTEDYDRDKKYG
 FCPETAMSTVGGNSEGAPCVFPFTFLGNKYESTSAGRSDGKMWCAATANYDDDRKWGFCPDQGYSLFLV
 AAHEFGHAMGLEHSQDPGALMAPIYTYTKNFRLSQDDIKGIQELYGASPDIDLGTGPTPLGPVTPEICK
 QDIVFDGIAQIRGEIFFKDRFIWRTVTPRDKPMGPLLVATFWPELPEKIDAVYEAPQEEKAVFFAGNEY
 WIYSASTLERGYPKPLTSLGLPPDVQRVDAAFNWSKNKTYIFAGDKFWRYNEVKKKMDPGPKLIADAW
 NAIPDNLDAVVDLQGGGHSYFFKGAYYKLLENQSLKSVKFGSIKSDWLGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001127891
ORF Size:	1830 bp
Buffer:	PBS with 0.001% Pluronic F8946
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_001127891.1, NP_001121363.1</u>
RefSeq ORF:	1833 bp
Locus ID:	4313
UniProt ID:	<u>P08253</u>
Cytogenetics:	16q12.2
MW:	68.7 kDa