

Product datasheet for **RC238983A1V**

Human MMP2 (NM_001302509) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MMP2 (NM_001302509) 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:

>RC238983 representing NM_001302509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAGAAGTTCTTTGGACTGCCCCAGACAGGTGATCTTGACCAGAATACCATCGAGACCATGCGGAAGC
 CACGCTGCGGCAACCCAGATGTGGCCAACTACAACCTTCTCCCTCGCAAGCCCAAGTGGGACAAGAACCA
 GATCACATACAGGATCATTGGCTACACACCTGATCTGGACCCAGAGACAGTGGATGATGCCTTTGCTCGT
 GCCTTCCAAGTCTGGAGCGATGTGACCCCACTGCGGTTTTCTCGAATCCATGATGGAGAGGCAGACATCA
 TGATCAACTTTGGCCGCTGGGAGCATGGCGATGGATACCCCTTTGACGGTAAGGACGGAATCCTGGCTCA
 TGCCTTCGCCCCAGGCACTGGTGTGGGGGAGACTCCCATTTTGATGACGATGAGCTATGGACCTTGGGA
 GAAGGCCAAGTGGTCCGTGTGAAGTATGGGAACGCCGATGGGGAGTACTGCAAGTTCCCTTCTTGTTCA
 ATGGCAAGGAGTACAACAGCTGCACTGATACCGGCCGAGCGATGGCTTCTCTGGTGTCCACCACCTA
 CAACTTTGAGAAGGATGGCAAGTACGGCTTCTGTCCCATGAAGCCCTGTTACCATGGCGGCCAACGCT
 GAAGGACAGCCCTGCAAGTTTCCATTCCGCTTCCAGGGCACATCCTATGACAGCTGCACCACTGAGGGCC
 GCACGGATGGCTACCGCTGGTGCGGCACCCTGAGGACTACGACCCGCGACAAGAAGTATGGCTTCTGCC
 TGAGACCGCCATGTCCACTGTTGGTGGGAACTCAGAAGGTGCCCTGTGTCTTCCCTTCACTTTCCTG
 GGCAACAAATATGAGAGCTGCACGAGCGCCGCGCAGTGACGGAAAGATGTGGTGTGCGACCACAGCCA
 ACTACGATGATGACCGCAAGTGGGGCTTCTGCCTGACCAAGGGTACAGCCTGTTCTCGTGGCAGCCCA
 CGAGTTTGGCCACGCCATGGGGCTGGAGCACTCCCAAGACCCTGGGGCCCTGATGGCACCATTATACACC
 TACACCAAGAAGTCCGTCTGTCCAGGATGACATCAAGGGCATTGAGGAGCTCTATGGGCGCTCTCCTG
 ACATTGACCTTGGCACCAGGCCACCCCAAGCTGGGGCCCTGCACTCCTGAGATCTGCAACAGGACAT
 TGTATTTGATGGCATCGCTCAGATCCGTGGTGAGATCTTCTTCAAGGACCGGTTTCTTTGGCGGACT
 GTGACGCCACGTGACAAGCCCATGGGGCCCTGCTGGTGGCCACATTCTGGCCTGAGCTCCCGGAAAAGA
 TTGATGCGGTATACGAGGCCCCACAGGAGGAGAAGGCTGTGTTCTTGCAGGGAATGAATACTGGATCTA
 CTCAGCCAGCACCTGGAGCGAGGGTACCCCAAGCCACTGACGAGCTGGGACTGCCCCCTGATGTCAG
 CGAGTGGATGCCGCTTTAACTGGAGCAAAAACAAGAAGACATACATCTTGTGGAGACAAATCTGGA
 GATACAATGAGGTGAAGAAGAAAATGGATCCTGGCTTCCCAAGCTCATCGCAGATGCCTGGAATGCCAT
 CCCCAGATAACCTGGATGCCGCTGCTGGACCTGCAGGGCGCGGTACAGCTACTTCTTCAAGGGTGCCTAT
 TACCTGAAGCTGGAGAACCAAGTCTGAAGAGCGTGAAGTTTGAAGCATCAAATCCGACTGGCTAGGCT
 GC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MQKFFGLPQTGDLNQNTIETMRKPRCGNPDVANYNFFPRKPKWDKNQITYRIIGYTPDLDPETVDDAFAR
 AFQVWSDVTPLRFSRIHDGEADIMINFGRWEHGDGYPFDGKDGLLAHAFAPGTGVGGDSHFDDDELWTLG
 EGQVVRVKYGNADGEYCKFPFLFNGKEYNSCTDTRSDGFLWCSTTYNFEKDGKYGFCPEALFTMGNA
 EGQPCKFPRFQGTSDSCTTEGRTDGYRWCCTTEDYDRDKKYGFCPETAMSTVGGNSEGAPCVFPFTFL
 GNKYESCTSGRSDGKMWCAATTANYDDDRKWGFCPDQGYSLFLVAAHEFGHAMGLEHSQDPGALMAPIYT
 YTKNFRLSQDDIKGIQELYGASPDIDLGTGPTPLGPVTPEICKQDIVFDGIAQIRGEIFFFKDRFIWRT
 VTPRDKPMGPLLVAATFWPELPEKIDAVYEAPQEEKAVFFAGNEYWIIYSASTLERGYPKPLTSLGLPPDVQ
 RVDAAFNWSKNKTYIFAGDKFWRYNEVKKMDPGFPKLIADAWNAIPDNLDAVVDLQGGGHSYFFKGAY
 YLKLENQSLKSVKFGSIKSDWLGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001302509
ORF Size:	1752 bp
Buffer:	PBS with 0.001% Pluronic F10741
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_001302509.1, NP_001289438.1</u>
RefSeq Size:	3159 bp
RefSeq ORF:	1755 bp
Locus ID:	4313
UniProt ID:	<u>P08253</u>
Cytogenetics:	16q12.2
MW:	66.2 kDa