

Product datasheet for **RC223142A1V**

Human MDGA2 (NM_182830) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MDGA2 (NM_182830) AAV Particle
Tag:	Myc-DDK
Symbol:	MDGA2
Synonyms:	c14_5286; MAMDC1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC223142 representing NM_182830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGTCTGTTAGACTGTCCAATAAACAGCATCACCGTCAATTAACTCTTGGTGGATGATCCTATAG
 TTGTAATCCTGGAGAGGCCATAACATTAGTATGTGTTACAACAGGAGGAGAGCCTGCACCTTCTCTCAC
 CTGGGTGAGTCTTTGGGACTCTGCCTGAAAAGACTGTTTGAATGGAGGAACCTTGACCATACCTGCC
 ATCACCTCAGATGATGCTGCTACTTACAGCTGCATTGCCAATAAATGTGGGAAACCTGCAAAAAAGT
 CCACCAACATCATTGTGAGAGCATTAAAAAAGGACGATTTTGGATCACACCAGATCCTTATCACAAGA
 TGACAACATCCAGATTGGCCGTGAGGTGAAAATATCTTGCCAAGTAGAAGCTGTTCTTCTGAGGAGCTA
 ACATTTAGTTGGTTTAAAAATGGTCGTCCATTAAGAAGTTCTGAGCGGATGGTCATTACACAGACTGATC
 CTGATGTCTCTCCGGGAACAACAACTTGGACATCATTGATTTAAATTCACGGATTTTGGGACGTACAC
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 TGCAATGTCAAGTAACTGGCAAACTAAACCAATCATCCTTTGGTCTAGAGCGGATAAAGAAGTTGCAAT
 GCCTGATGGATCAATGCAATGGAGAGTTATGATGGAACACTGAGGATTGTGAATGTATCTAGGGAAATG
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 ATGAAAATATGGGGTTTATACTGTAGCATCAATAATGAAGCTGGAGCTGGGAGATGCAGCTTTCTTGT
 TACAGGAAAGGCCTATGCTCCAGAATTCTATTATGATACCTACAATCCAGTATGGCAGAACAGACACCGT
 GTTTATTCTTACAGTCTACAGTGGACACAGATGAATCCTGATGCAAGTGGATCGGATTGTTGCATACCGGT
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 CTCACCAAAATTTGGTGAAGGAGATTCAACAATTCGTGTGATCAAATATAGTGCTCCTGTAATCCTCATT
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 CGTAGTGGCTCCAAAGAAGGTTTTTATATGTACATTGAGACATCACGACCCAGATTGGAAGGCGAAAAGG
 CTCGACTTCTCAGCCCTGTTTTTACAGCATAGCTCCCAAAAACCTTATGGACCCACAAACACTGCATATTG
 TTTTACGCTTCTTTATCACATGTATGGACAACATATAGGTGTCTTAAATGTTTATCTACGTTTGAAGGG
 CAAACAACAATAGAGAATCCACTGTGGTCTTCAAGTGGGAATAAAGGACAAAGATGGAATGAGGCTCATG
 TTAATATATACCAATTACTTCATTTACGCTCATTTTTGAAGGTATCCGAGGTCTGGAATAGAAGGTGA
 CATTGCTATTGATGATGATCAATTGCAGAAGGAGAATGTGCAAAACAAGACCTAGCAACTAAGAATTCC
 GTTGATGGTGTGTTGGGATTTTGGTTCATATATGGCTTTTTCCCATTTATCGTCCTCATCTCTATCTTAA
 GTCCTCGAAGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC223142 representing NM_182830 Red=Cloning site Green=Tags(s) MVSFRLSNKTASPSIKLLVDDPIVVNPGEAITLVCVTTGGEPAPSLTWVRSFGTLPEKTVLNGGTLTIPA ITSDDAGTYSCIANNVGNPAKKSTNIIVRALKKGRFWITPDYPHKDDNIQIGREVKISCQVEAVPSEEL TFSWFKNGRPLRSSERMVITQDPDVSPGTTNLDIIDLKFTDFGTTCVASLKGGGISIDVNISSST VPPNLTVPQEKSPLVTRREGDTIELQCQVTGPKPIILWSRADKEVAMPDGSQMESYDGLRIVNVSREM SGMYRCQTSQYNGFNVKPREALVQLIVQYPPAVEPAFLEIRQGQDRSVTMSRVLRAYPIRVLTIEWRLG NKLLRRTGQFDSQEYTEYAVKSLSNENYGVYNCIINEAGAGRCSFLVTGKAYAPEFYDYTNPVWQNRHR VYSYSLQWTQMNPDAVDRIYAYRLGIRQAGQQRWWEQEIKNINGNIQKGEITYNLTELKPEAYEVRLTP LTKFGECDSTIRVIKYSAPVNPFLREFHCGFEDGNICLFTQDDTDNFDWTKQSTATRNTKYTPNTGPNAD RSGSKEGFYMYIETSRPRLEGEKARLLSPVFSIAPKNPYGPTNTAYCFSFFYHMYGQHIGVLNVYLRKLG QTTIENPLWSSSGNKGQRWNEAHVNIYPITSFQLIFEGIRGPGIEGDIADDVSIAGECAKQDLATKNS VDGAVGILVHIWLFPIIVLISILSPRR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_182830
ORF Size:	2181 bp
Buffer:	PBS with 0.001% Pluronic F8618
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_182830.3</u>
RefSeq Size:	5239 bp
RefSeq ORF:	2184 bp
Locus ID:	161357
UniProt ID:	<u>Q7Z553</u>
Cytogenetics:	14q21.3
MW:	81.4 kDa