

Product datasheet for **RC224966A1V**

Human MARS2 (NM_138395) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MARS2 (NM_138395) AAV Particle
Tag:	Myc-DDK
Symbol:	MARS2
Synonyms:	COXPD25; MetRS; mtMetRS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224966 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTGCGAACGTCCGTCTCCGCTGCTAGGACGCACGGGGCTAGTAGGCTGTCTCTCTGGAGGACT
 TCGGCCACGCTACTACAGTTCGGGCTCCCTCAGTGCCGCGATGATGCTTGTGATGTGCGCGCCTACTT
 CACTACACCCATTTTCTACGTGAACGCGCGCCGCACATCGGGCACCTGTACTCGGCACTACTGGCGGAC
 GCCCTATGCCGCCACCGTCGCCTCCGAGGTCCAGCACGGCCGCCACGCGATTCTCCACTGGTACCGACG
 AGCACGGGCTGAAGATTACGAGGCAGCAGCTACCGGGGCTGGCCCCGACCGAGCTGTGCGACCGAGT
 CTCTGAGCAGTTCAGCAGCTTTTCCAGGAGCCGGTATCTCTGCACAGATTTTCATCCGACACCGGAG
 GCCCGGACCGGGTGGCTGTGCAGCACTTCTGGGGGTGCTTAAGTCCCGCGGTCTGCTCTACAAGGGCG
 TCTATGAAGTTGGTATTGCGCTTCCGACGAGTCTTCTGCTGAGGCCAAGGTACCCAGCAGCCGGG
 CCCATCGGGGATTCTGTTTCTGTATCTCTGAGAGCGGGCATCCAGTCTCTGGACCAAGGAAGAAAAC
 TACATTTTCAGGCTTTCCAGTTCGGAAGCCACTCCAGCGGTGGCTGCGGGGCAACCTCAGGCGATCA
 CCCCCGAACATTTTCATCACGTAGTTCTTCAGTGGCTGGACGAGGAGCTGCCCGACCTGTCCGTGTCTCG
 CAGAAGTAGCCACTTGCCTGGGCAATTCGGTGCCCGGGGATGATTGCGAGACCATCTATGTATGGCTG
 GATGCCCTGGTCAACTACCTCACTGTAATTGGCTACCCAAATGCTGAGTTCAAATCTTGGTGGCCGGCCA
 CCTCTCATATCATAGGTAAGGACATTCTCAAATTCATGCCATCTATTGGCTGCCTTCTGTTAGGGGC
 CGGCATGAGCCGCCACAGCGCATCTGTGTCCATTCCCACTGGACAGTCTGTGGCCAAAAGATGTCCAAG
 AGCTTGGGCAACGTGGTGGATCTTAGGACTTGCCTAACCGCTATACCGTGGATGGCTTCCGCTACTTTC
 TCCTTCGGCAGGGCGTCCCCAACTGGGACTGTGACTACTATGATGAAAAGGTGGTTAAGTTGCTGAATC
 CGAGCTGGCAGATGCCTTGGGAGGTCTCTTGAACCGATGCACTGCCAAAAGAATAAATCCTTCTGAGACC
 TACCCAGCCTTCTGCACTACCTGCTTCCCTAGTGAGCCAGGGTGGTGGGGCCGTGAGTTCGTGCTCAGG
 CAGAGGATTATGCTCTGGTGAGCGCAGTGGCCACTTTGCCAAAGCAGGTAGCAGACCACTATGATAACTT
 TCGGATATATAAGGCTCTGGAGGCCGTGCCAGCTGTGTCCGGCAAACTAATGGTTTTGTCCAAAGGCAT
 GCACCATGGAAGCTGAAGTGGGAGAGCCAGTGGATGCTCCCTGGCTGGGTAAGTGTCTCATGTGGCT
 TGAATGTTTGCAGTCTTTGGACTTTGCTGCAGCCTGTACCCCAAGCCTAGTGACAAGCTGCTGTC
 TAGGCTGGGGTCTCTGCCTCAGAGAGGAGTCTTGGAGAGCTCTATTTCTGCCTCGATTCTATGGACAT
 CCATGCCCTTTTGAAGGAGGAGGCTGGGACCTGAACTGGGCTTTTGTTCGAAGACTAGACCAGTCCA
 GGAATTGGCTGGTGAAGCCACCGGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224966 protein sequence
 Red=Cloning site Green=Tags(s)

MLRTSVLRLLGRTGASRLSLEDFFPRYYSSGSLGAGDDACDVRAFFTPIFYVNAAPHIGHLYSALLAD
 ALCRHRLRGPSTAATRFSTGTDEHGLKIQQAAATAGLAPTELCDRVSEQFQQLFQEAGISCTDFIRTE
 ARHRVAVQHFVGLKSRGLLYKGVYEGWYCASDECFLPEAKVTQPGPSGDSFPVSLESGHPVSWTKEEN
 YIFRLSQFRKPLQRWLRGNPQAITPEPFHHVVLQWLDEELPDLVSRRSSHLHWGIPVPGDSDSIYVWL
 DALVNYLTIVIGYPNAEFKSWWPATSHIIGKDILKFHAIYWPALLGAGMSPPQRICVHSHWTVCGQKMSK
 SLGNVDPRTCLNRYTVDGFRYFLLRQGVPNWDCDYDEKVVKLLNSELADALGGLLNRCATAKRINPSET
 YPAFCTTCFPSEPGLVGPSVRAQAEDYALVSAVATLPKQVADHYDNFRIYKALEAVSSCVRQTNGFVQRH
 APWKLNWESPVDAPWLGTVLHVALECLRVFGTLLQPVTPLADKLLSRLGVSASERSLGELYFLPRFYGH
 PCPFEGRRLLGPETGLLPRLDQSRWLKHAHRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_138395
ORF Size:	1779 bp
Buffer:	PBS with 0.001% Pluronic F8890
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_138395.2</u>
RefSeq Size:	3102 bp
RefSeq ORF:	1782 bp
Locus ID:	92935
UniProt ID:	<u>Q96GW9</u>
Cytogenetics:	2q33.1
MW:	66.6 kDa