

Product datasheet for **RC211884A1V**

Human MKS1 (NM_017777) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MKS1 (NM_017777) AAV Particle
Tag:	Myc-DDK
Symbol:	MKS1
Synonyms:	BBS13; JBTS28; MES; MKS; POC12
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211884 representing NM_017777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGAGACCGTCTGGAGCACTGACACCGGGGAGGAGTGTATCGCTCCCGGACCCCGTGCCTCACT
 TGGCCTCCGAGTCCACCTGCAAAGAATCACATCAAGCAACTTTCTTATTATCAGCCTGCTGCCGAGCT
 CGGGAAGGACCTCATAGACTTGGCACTTTTAGGCCTCAGCAACTGCCAGTGGACACCGCCAGAGGAA
 GACGAAGAGGAGGAGATTGTGATTGGGTGGCAGGAGAAGCTCTTAGCCAGTTTGAAGTAGATCTGTACC
 AAAATGAAACAGCCTGTCAGAGTCTTTGGATTATCAGTACCGTCAGGAGATCCTGAAGCTGGAGAATTC
 GGGTGGCAAGAAAACCGACGAATCTTACCTACACTGACTCTGATAGATACCAATTTGGAGGAGCAC
 TGTGAGAGAATGACCACTGCAGCCAGCGAGGTGCCTTCATTCTTGGTCGAGCGAATGGCAATGTCAGGC
 GTCGCCGCGAGGACAGGCGAGGGATGGAGGGCGGCATCCTCAAGTCACGCATCGTCACCTGGGAGCCCTC
 AGAAGAGTTTGTGAGGAACAACACGTCATTAAACCCCTCTTCAGACAATGCACATCATGGCAGACCTG
 GGGCCCTATAAAAAGCTTGGCTATAAGAAGTATGAACATGTCTGTACTCTGAAGGTGGATAGCAATG
 GTGTGATCACAGTAAAGCCTGACTTCACGGGCCTCAAAGGACCTACAGGATTGAGACGGAGGGGAGAA
 GCAGGAGCTGTGGAATATACGATCGACAATGTTTCCCCCACGCACAGCCGAGGAGGAGGAGCGGAA
 CGGCGAGTGTTCAAGGATCTTTATGGCCGCGACAAGGAGTATCTCAGCAGCCTCGTAGGCACCGACTTTG
 AGATGACTGTCCAGGTGCCCTCCGGCTCTTTGTAATGGAGAGGTGTTTCAGCCCAAGGCTATGAGTA
 TGACAATCTCTACGTCCACTTCTTTGTAGAATTGCCAACTGCTCACTGGTCAAGCCAGCATTCCAGCAG
 CTCTCAGGAGTAACACAGACCTGCACCACCAAGTCCCTGGCAATGGACAAGGTGGCTCACTTCTCCTACC
 CATTACGTTTGAAGCCTTCTTCTCCATGAGGATGAATCTTCTGATGCACTCCCGAGTGGCCTGTGCT
 CTACTGTGAGGTCTCTCGCTGGACTTCTGGCAGAGGTACCGTGTGGAAGGCTATGGGGCTGTGGTGCTG
 CCTGCCACTCCAGGCTCACACACCTGACAGTCTCCACGTGGAGACCTGTGGAGCTTGGCACGGTGGCTG
 AGCTGAGGAGGTTTTTATTGGCGTTCTCTGGAAGTGGAGGACCTCTCTATGTACGGATACCAGGATC
 CTTCAAGGGGAAACGCTGAGCCGCTTTGGACTCCGCACAGAGACCACAGGCACTGTACCTTCCGCTTG
 CACTGTCTGCAGCAGTCCAGGCTTTCATGGAATCGAGTCCCTTCAGAAAAGGATGCGGAGTGTGTTGG
 ACCGTCTGGAAGGTTTACCCAGCAGAGTTCATTACAATGTGCTAGAGGCTTCCGTCGAGCCCGGCG
 CCGCATGAGGAGGCCGGAAGCCTCCGCGAGGACCTAGTGAGCCCTCTGGAACCTGGTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211884 representing NM_017777
 Red=Cloning site Green=Tags(s)

MAETVWSTDTGEAVYRSRDPVRNLRVHLQRITSSNFLHYQPAELGKDLIDLATFRPQPTASGHRPEE
 DEEEEIVIGWQEKLF SQFEVDLYQNETACQSPLDYQYRQEILKLENSGGKKNRRIFTYTDSDRYTNLEEH
 CQRMTTAASEVPSFLVERMANVRRRRQDRRGMEGILKSRIVTWEPSSEFVRNNHVINTPLQTMHIMADL
 GPYKKLGYKKYEHVLC TLKVDSNGVITVKPDFGLKGPYRIETEGEKQELWKYITIDNVSPHAQPEEEERE
 RRVFKDLYGRHKEYLSSLVGTDFEMTVPGALRLFVNGEVVSQAQGYEYDNLVYHFFVELPTAHWSSPAFQQ
 LSGVTQTCTTKSLAMDKVAHFSYPFTFEAFFLHEDESSDALPEWPVLYCEVLSLDFWQRYRVEGYGAVVL
 PATPGSHTLTVSTWRPVELGTVAELRRFFIGGSLELEDLSYVRIPGSFKGERLSRFLRTETTGTVTFRLL
 HCLQQSRAFMESSLQKRMRSVLDRLLEGFSQQSSIHNVLEAFRRARRRMQEAESLPQDLVSPSGTLVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_017777

ORF Size:	1677 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_017777.2</u>
RefSeq Size:	2402 bp
RefSeq ORF:	1680 bp
Locus ID:	54903
UniProt ID:	<u>Q9NXB0</u>
Cytogenetics:	17q22
MW:	64.3 kDa