

Product datasheet for **MR209943A1V**

Mouse Padi2 (BC040350) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Padi2 (BC040350) AAV Particle
Tag:	Myc-DDK
Symbol:	Padi2
Synonyms:	mKIAA0994; Pdi; Pdi2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR209943 representing BC040350
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCAGCCGCTATACGGGAAAATATGCTGCGGGAACGGACCGTCCGGCTGCAGTATGGGAGCCGCGTGG
 AGGCGGTGTACGTGCTGGGCACGCAGCTCTGGACCGATGTCTACAGTGCAGCACCTGCTGGGGCCAAAAC
 CTTCAGCCTGAAGCACTCGGAGGGTGTGAAGGTGGAGGTCGTACGTGATGGAGAGGCAGAGGAGGTGGTC
 ACCAATGGCAAGCAGCGCTGGGCCCTGTCAACCAGCAGCACACTGCGGCTCAGCATGGCCAGGCCAGCA
 CAGAGGCCAGCAGCGACAAGGTCACTGTCAACTACTATGAAGAGGAGGGCAGCGCCCCATTGACCAGGC
 TGGGCTCTTCTCACGGCCATTGAGATCTCGTGGATGTGGACGCAGATCGGGATGGAGAGGTGGAGAAG
 AACAACTCTAAGAAGGCATCCTGGACCTGGGGTCTGAGGGCCAAGGGGCCATCTGCTGGTGAATTGTG
 ACCGAGACACACCCTGGTTGCCAAGGAGGACTGTAGTGACGAAAAGGTCTACAGCAAGCAAGACCTCCA
 GGACATGTCTCAGATGATCCTGCGCACAAAGGCCCTGACCGCCTGCCGCCGGGTATGAAATAGTCCTC
 TACATCTCCATGTCGGACTCGGACAAAGTGGGCGTCTTCTACGTGGAGAACCCGTTCTTTGGCCAGCGCT
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 GTTCTTCGTGGAGGGCTCTGTTTCCCGATGAGAGTTTCTCAGGCCTGGTTTCTATCCACGTCACTCTG
 CTGGAGTATATGGCCGAGGGCATCCCGTTGACCCCCATCTTCACAGACTGTGATGTTCCGGATTGCAC
 CCTGGATTATGACCCCCAACATCCTGCCTCCTGTGTCAAGTGTTCGTGTGCTGCATGAAGGACAATTACCT
 GTTCTGAAAGAGGTGAAGAAGTGGTGAGAAAACCAACTGCGAACTGAAAGTTTGTTCAGTACATG
 AACCGCGGTGACCGCTGGATCCAGGATGAAATCGAGTTTGGCTATATTGAGGCACCCACAAAGGCTTCC
 CAGTAGTGCTGGACTCCCTCGAGATGGAACCTGAAGGACTTCCCATTAAGCAACTCCTGGGCCGAGA
 TTTTCGGCTATGTGACCCGGGAGCCCTCTTTGAGACTGTCACCGCCTCGACTCCTTCGGGAATCTGGAG
 GTCAGTCCCCCAGTGACCGTGAATGGCAAGGAGTACCGCTTGGCCGGATCCTCATCGGAAGCAGTTTCC
 CCCTGTCTGGAGGCAGGAGGATGACCAAGGTGGTACGCGACTTCTGCAGGCCAGCAGGTGCAGGCGCC
 CGTGGAATCTACTCCGACTGGCTGACTGTAGGCCACGTGATGAGTTTATGACTTTTATCCCCATCCCA
 GGCAAAAAGGAATTTTCGGCTGCTCATGGCCAGCACCTCCGCTGCTACCAGCTCTTCGAGAAAAGCAGA
 AGGCAGGCCACGGGAGGCCGTTATGTTCAAGGGCCTGGGAGGCATGAGCAGCAAGCGCATCACCATCAA
 CAAGATCCTGTCCAATGAGAGCCTCACGCAGGAGAACCAGTACTTCCAGCGCTGTCTGGACTGGAACCGC
 GACATCCTTAAGAGGGAGCTAGCGCTGACTGAGAAGGACATTATTGACCTGCCCGCGCTCTTCAAGATGG
 ATGAAAATCACCAGGCCAGGGCTTTCTTCCCTAACATGGTGAACATGATCGTGCTAGACAAGGACCTGGG
 CATCCCCAAGCCTTTTCGGGCCCCAGGTGGAGGAGGAGTGTGCTGCTGGAGACGCACGTTCCAGGCCTGCTG
 GAGCCCTGGGCTCGCTGCAGTTTATCGATGACATCTCCGCTACCAAGTTCTTGGGAGAGGTTT
 ACTGTGGCACCAATGTCCGAGGAAGCCGTTTCGCTTCAAGTGGTGGCACATGGTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR209943 representing BC040350 Red=Cloning site Green=Tags(s) MQPPIRENMLRERTVRLQYGSRVEAVYVLGTQLWTDVYSAAPAGAKTFLSKHSEGVKVEVVRDGEAEVV TNGKQRWALSPSSTLRSLMAQASTEASSDKVTVNYYEEGSAPIDQAGLFLTAIEISLDVDADRDGEVEK NNPKKASWTWGPEGQGAILLVNCRDTPWLPKEDCSDEKVYSKQDLQDMSQMLRTKGPDRLPAGYEIVL YISMSDSKVGVFYVENPFFGQRYIHILGRQKLYHVVKYTGGSSELLFFVEGLCFPDESFSGLVSIHVSL LEYMAEGIPLTPIFTDTVMFRIAPWIMTPNILPPVSFVCCMKDNYLFLKEVKNLVEKTNCELKVCFQYM NRGDRWIQDEIEFGYIEAPHKGFVVLDSPRDGNLKDFFPIKQLLGPDFGYVTREPLFETVTSLDSFGNLE VSPPVTVNGKEYPLGRILIGSSFPLSGGRRMTKVVRDFLQAQQVQAPVELYSDWLTGVHVDFTFPIPI GKKEFRLLMASTSACYQLFREKQKAGHGEAVMFKGLGGMSSKRITINKILSNESLTQENQYFQRCLDWNR DILKRELALTEKDIIDLPALEKMDENHQAFFPNMVMNIVLKDGLGIPKPGPQVEEECCLETHVRGLL EPLGLACTFIDDISAYHKFLGEVHCNTVRRKPFPAFKWWHMVP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	BC040350
ORF Size:	2019 bp
Buffer:	PBS with 0.001% Pluronic F1043
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>BC040350.1</u>
RefSeq Size:	4733 bp
RefSeq ORF:	2021 bp
Locus ID:	18600
Cytogenetics:	4 73.01 cM
MW:	173.5 kDa