

Product datasheet for **RC206501A1V**

Human PADI4 (NM_012387) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PADI4 (NM_012387) AAV Particle
Tag:	Myc-DDK
Symbol:	PADI4
Synonyms:	PAD; PAD4; PADI5; PDI4; PDI5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC206501 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGGGACATTGATCCGTGTGACCCAGAGCAGCCACCCATGCCGTGTGTGTGCTGGGCACCT
TGACTCAGCTTGACATCTGCAGCTCTGCCCTGAGGACTGCACGTCCTTCAGCATCAACGCCTCCCCAGG
GGTGGTCGTGGATATTGCCACAGCCCTCCAGCCAAGAAGAAATCCACAGGTTCTCCACATGGCCCTG
GACCTGGGGTAGAGGTGACCTGACGATGAAAGCGGCCAGTGGTAGCACAGGCGACCAGAAGGTTGAGA
TTTCATACTACGGACCAAGACTCCACAGTCAAAGCTCTACTCTACCTACCGCGGTGGAAATCTCCCT
GTGCGCAGACATACCCGCACCGGCAAGTGAAGCAACCAGAGCTGTGAAAGATCAGAGGACCTGGACC
TGGGGCCCTTGTGGACAGGGTGCCATCTGCTGGTGAAGTGTGACAGAGACAATCTCGAATCTTCTGCCA
TGGACTGCGAGGATGATGAAGTCTTGACAGCGAAGACCTGCAGGACATGTCGCTGATGACCTGAGCAC
GAAGACCCCCAAGGACTTCTTCAAAACCATACACTGGTGTCCACGTGGCCAGGTCTGAGATGGACAAA
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CCTCTCACTACCTGATGGTCCCCGGTGAAAGCACAACATGGACTTCTACGTGGAGGCCCTCGCTTTCCC
GGACACCGACTTCCCGGGGCTCATTACCTCACCATCTCCCTGCTGGACACGTCCAACCTGGAGCTCCCC
GAGGCTGTGGTGTTCAGACAGCGTGGTCTTCCGCGTGGCGCCCTGGATCATGACCCCCAACCCAGC
CCCCGAGGAGGTGTACGCGTGCAGTATTTTGAAGTGAAGGACTTCTGAAGTCAGTGACTACTCTGGC
CATGAAAGCCAAGTGCAAGCTGACCATCTGCCCTGAGGAGGAGAACATGGATGACCAAGTGGATGCAGGAT
GAAATGGAGATCGGCTACATCCAAGCCCCACAAAACTGCCCGTGGTCTTCGACTCTCCAAGGAACA
GAGGCTGAAGGAGTTTCCATCAAACGAGTGTGGGTCCAGATTTTGGCTATGTAAGTCGAGGGCCCCA
AACAGGGGGTATCAGTGGACTGGACTCCTTTGGGAACCTGGAAGTGAGCCCCCAGTCACAGTCAGGGGC
AAGGAATACCCGCTGGGCAGGATTCTCTCGGGGACAGCTGTTATCCCAGCAATGACAGCCGGCAGATGC
ACCAGGCCCTGCAGGACTTCTCAGTGCCAGCAGGTGCAGGCCCTGTGAAGCTCTATTCTGACTGGCT
GTCCGTGGGCCACGTGGACGAGTTCTGAGCTTTGTGCCAGCACCCGACAGGAAGGGCTTCCGGCTGCTC
CTGGCCAGCCCCAGGTCCTGCTACAACTGTTCCAGGAGCAGCAGAATGAGGGCCACGGGGAGGCCCTGC
TGTTCAAGGGATCAAGAAAAAAGCAGCAGAAATAAAGAACATTCTGTCAAACAAGACATTGAGAGA
ACATAATTCATTTGTGGAGAGATGCATCGACTGGAACCGCGAGCTGCTGAAGCGGAGCTGGGCCTGGCC
GAGAGTGACATCATTGACATCCCGCAGCTCTTCAAGCTCAAAGAGTTCTCTAAGCGGAAGCTTTTTTCC
CCAACATGGTGAACATGCTGGTGTAGGGAAGCACCTGGGCATCCCCAAGCCCTTCGGGCGCGTCATCAA
CGGCCGCTGCTGCCTGGAGGAGAAGGTGTGTTCCCTGCTGGAGCCACTGGGCCTCCAGTGACCTTCATC
AACGACTTCTTCACTACCACATCAGGCATGGGAGGTGCACTGCGGCACCAACGTGCGCAGAAAGCCCT
TCTCCTCAAGTGGTGAACATGGTGCCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC206501 protein sequence Red=Cloning site Green=Tags(s) MAQGTILIRVTPEQPTHAVCVLGTLTQLDICSSAPEDCTSF SINASPGVVVDIAHSPPAKKKSTGSSTWPL DPGVEVTLTMKAASGSTGDQKVQISYYGPKTPPVKALLYLTAVEISLCADITRTGKVKPTRAVKDQRTWT WGPCGQGAILLVNCDRDNLESSAMDCEDDEVLDSEDLQDMSLMTLSTKTPKDFFTNHTLVLHVARSEMDK VRVFQATRGKLSSKCSVVLGPKWPSHYLMVPGGKHNMDFYVEALAFPDTDFPGLITLTISLLDTSNLELP EAVVFQDSVVFRVAPWIMTPNTQPPQEVYACSFENEDFLKSVTTLAMKAKCKLTICPEEENMDDQWMQD EMEIGYIQAPHKTLPVVFDSPRNRGLKEFPKRVMPGDFGYVTRGPQTGGISGLDSFGNLEVSPPVTVRG KEYPLGRILFGDSCYPSNDSRQMHQALQDFLSAQVQAPVKLYSDWLSVGHVDEFLSFVPAPDRKGFRL LASPRSCYKLFQEQNEGHGEALLFEGIKKKKQKIKNILSNKTLREHNSFVERCIDWNRELLKRELGLA ESDIIDIPQLFKLKEFSKAEAFPMNMNMLVLGKHLGIPKPGPVIINGRCCEEKVCSLLEPLGLQCTFI NDFFTYHIRHGEVHCGTNVRRKPFSEKWWNMVP SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_012387
ORF Size:	1989 bp
Buffer:	PBS with 0.001% Pluronic F5901
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_012387.1</u>
RefSeq Size:	2265 bp
RefSeq ORF:	1992 bp
Locus ID:	23569
UniProt ID:	<u>Q9UM07</u>
Cytogenetics:	1p36.13
MW:	74.1 kDa