

Product datasheet for **RC213501A1V**

Human PADI1 (NM_013358) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PADI1 (NM_013358) AAV Particle
Tag:	Myc-DDK
Symbol:	PADI1
Synonyms:	HPAD10; PAD1; PDI; PDI1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213501 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCCAAGAGAGTTGTGCAGCTGTCCCTGAAGATGCCTACCCATGCCGTGTGTGTGGTGGGAGTCG
AGGCACATGTGGACATTACAGTGATGTGCCAAGGGTGCCAACAGCTTCAGGGTCTCTGGAAGCTCCGG
GGTGGAGGTCTTCATGGTCTACAACCGCACACGTGTGAAAGAGCCCATAGGCAAGGCCCGTTGGCCGCTA
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TCTCTACTTTGGGGAGCAGGAAGACCAAGCTCTGGGCCGACGCTGCTTTACCTCACTGGCGTCGATAT
TTCCCTTGAGGTTGACACAGGCCGCACAGGCAAGGTGAAGAGGAGCCAAGGGGACAAGAAAACCTGGCGC
TGGGGCCCTGAGGGCTATGGGGCTATCTTGCTGGTGAAGTGTGACCGGACAATCACAGGTCCGACAGC
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CAGGACGAGATGGAGTTTGGCTACATCGAGGCCCTCACAAATCCTTCCCCGTGGTCTTTGACTCCCCC
GGAACAGGGGCTGAAAGATTTCCCTATAAGAGGATCCTGGTCTGACTTTGGATATGTTACCCGGGA
GATCCCCGCTCCCTGGTCCCTCCAGCCTTGACTCCTTCGGCAACCTGGACGTGAGCCCGCCGTCACGGTG
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CTCCTGGCTAGCCCCAGCGCTTGCCCTCAAACCTTCCAAGAGAAGAAAGAGGGTTATGGGGAGGCAG
CCCAGTTTGATGGTTAAACACCAGGCAAAAAGAGCATTAAATGAGATGCTGGCAGACAGACACCTCCA
GAGAGACAATCTTCATGCACAGAAATGCATTGACTGGAACCGTAATGTGCTGAAGCGGGAGCTGGGCCTG
GCAGAGAGTGACATCGTGGACATTCCCCAGCTCTTCTCCTGAAAACTTCTACGCGGAAGCCTTCTTCC
CAGACATGGTTAACATGGTGGTCTTAGGCAAGTACCTGGGCATCCCCAAGCCCTACGGGCCCATCATCAA
TGGCCGCTGCTGCCTGGAGGAGAAGGTGCAAGTCCCTGCTGGAGCCTCTGGGCCTGCACTGCATCTTCATT
GATGACTACTTGTCTACACGAGCTGCAGGGGAGATCCACTGTGGCACCAACGTGCGCAGGAAGCCCT
TTCCCTTCAAATGGTGAACATGGTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC213501 protein sequence Red=Cloning site Green=Tags(s) MAPKRVVQLSLKMPTHAVCVVGVEAHVDIHS DVPKGANSFRVSGSSGVEVFMVYNRTRVKEPIGKARWPL DTDADMVVSVGTASKELKDFKVRVSYFGEQEDQALGRSVLYLTGVDISLEVDTGRTGKVKRSQGDKKTW WGPEGYGAILLVNCDRDNHRSAEPDLTHSWLSLADLQDMSPMLLSCNGPDKLFDHKLVLNVPFSDSKR VRVFCARGGNSLSDYKQVLGPQCLSYEVERQPGEQEIKFYVEGLTFPDADFLGLVSLSVSLVDPGTLPEV TLFTDTVGFRMAPWIMTPNTQPPEELYVCRVMDTHGSNEKFLEDMSYLT LKANCKLTICPQVENRNRWI QDEMEFGYIEAPHKSFPVVFDSPRNRGLKDFPYKRILGPDFGYVTREIPLPGPSSLDSFGNLDVSPPVTV GGTEYPLGRILIGSSFPKSGGRQMARAVRNFLKAQQVQAPVELYSDWLSVGHVDEFLT FVPTSDQKGFRL LLASPSACLKLFQEKKEEGYGEAAQFDGLKHQAKRSINEMLADRHLQRDNLHAQKCIDWNRNVLKRELGL AESDIVDIPQLFFLKNFYAEAFFPDMVMNMVVLGKYLGI PKPYGPIINGRCCLEEKVQSLLEPLGLHCIFI DDYLSYHELQGEIHC GTNVRRKPFPPKWWNMVP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_013358
ORF Size:	1989 bp
Buffer:	PBS with 0.001% Pluronic F7061
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_013358.1</u>
RefSeq Size:	3847 bp
RefSeq ORF:	1992 bp
Locus ID:	29943
UniProt ID:	<u>Q9ULC6</u>
Cytogenetics:	1p36.13
MW:	74.7 kDa