

Product datasheet for **MC220242**

Padi1 (NM_011059) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Padi1 (NM_011059) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Padi1
Synonyms:	AV236283; Pdi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220242 representing NM_011059
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCTCCCGAGAGCTGTGCAGCTGTCTCTGAGAAAGCCGACTCACGCTGTGTGCGTGGTAGGTGTGG
 AGACACTGGTGAACGTCTATAGTGATGTGCCAAAGGTGCCAAGACCTTTGGGGTGTCTGGGAGCTCTGA
 GGTGAAGATCTACATGGTCTACGATCCCTCGAGAGTGGCAGAGCCCGCAGGCTGGGCCACTGGCCCTG
 GATGCCAACGTGGACGTGGTGGTGTAGTGGCGGACACAGTCAGTAAGGACTTATAGACTTCAAGGTGAAGG
 TGTCACTTTGAGTCACAGGAGGCTGTGCCCTGGCCACAGTGTCTACCTAACTGCTGTTGATGT
 GTCCCTTGATGTCGACACAGGCCGCACAGGCAAGGTGAAGAAAGGCTCTGGTGACAAGAAAACCTGGCGC
 TGGGGCCCTGGGGCTCCGGGGCCATCCTGTTGGTAACTGTGACAGAGATATCCATGGGTCCAGGGAAG
 ACCTGCATGCTAACCATTGAAGTCGCTGGAGGACCTGCAGGACATGTCCCAATGGTGTGAGTTGTGG
 TGGCCCTGATGAGCTTTTGGAGCCACAAGCTGGTCTTGAAGGCATCTTGTGAGATTCCAGAAGACTG
 AAGGTCTTCTGTGCCCGGGTGGGACATCCCTCTCCAACACAAACAGGTGCTAGGGCCCCGTACAGCT
 CCTATGAGGTGGAAGGCATTCTGGGGAGAGGGCCATCCAGTTCTACGTGGAAGGGCTCGCTTCCCCGA
 CGCCAGTTTCTCAGGGCTGCTCTCTCAGTGTGAGCCTGGTGGACACACGGCCCTCTCTGAGGTGTCA
 GTCTTCACTGACAGCGTGACCTTCCGGGTGGCCCCCTGGATCATGACCCCAACACTCAGCCGCCCTGG
 AGCTGTATGTGTGCAGCGTGACAGATATCCACGGCCGCAATGACAAGTTCTGGAGGACATGTCCACCT
 GGCCACAAAGGCCAACTGCAAACTAGTGGTCTGTCCCGGGCAGAGAATCGAACGATCGCTGGATCCAG
 GACGAGTTGGAGTTTGGCTACATTGACGCACCTCACAATCCTTCCCTGTGGTCTTTGATTCCCCCGAA
 ACAGAGGCTTGAGGGACTTCGCCCTTAAGAGGATCCTGGGTCTGACTTTGGATATGTGACCCGGGAGAT
 CGAGTTCGCAAGGTGCCTCTGGCCTGGATTCCCTTCGGCAACCTGGATGTGAGCCCAACCGGTGAGGTGGGC
 AACACAGACTACCCCTCGGCAGAACTCCTCATTGGTGGCAGCTTCCCAAGCCAGTGGCGGCGGATGG
 CCAGAGTGGTGCCTGACTTCTGAGGCCAGCAGGTGCAGTCTCCTGTGGAACCTACTCCGACTGGCT
 TTCCGTGGGCCACGTGGATGAGTTTCTGAGCTTCGTGCCACCTCTGACCAAAAGGGCTTCCGCCTCCTC
 CTGGCCAGCCCCAGTGCCTGCCTCCAGCTGTTCCAGGAGAAGAAGGAGGAGGGCTACGGGGAGGCTGAGC
 AGTTTGATGGCCTCAAGCATAAGGCAAAAAGAAGCATCAACGACATCTTAGCTGACAAGCACCTCAGGAG
 GGATAGCGCGCACGTGCAGAAATGCATCGACTGGAACCGCGAGGTGCTAAAGCGGAGCTGGGCCTCTCC
 GAGAGCGACATCGTGGACATTCCACAGCTCTTCTCCTGAAGGGAGCCTACGCTGAAGCCTCTTTCTCTG
 ACATGGTCAACATGGTGGTTCTCGGCAAGTACCTGGGCATCCCTAAGCCCTTCGGCCCGCTCATCAATGG
 TCGCTGCTGCCTGGAGGAGAAGGTGCGCTCCCTGCTGGAGCCGCTGGGTCTGCGCTGCGTCTTTATCGAC
 GACTTTCTCTTTTACCACCAACTGCTCGGAGAGATCCACTGTGGCACCAACGTGCGGAGGAAACCTTTTA
 CCTTTAAGTGGTGAACCTCCGTGCC**TA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011059

Insert Size: 1989 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_011059.2</u> , <u>NP_035189.1</u>
RefSeq Size:	3756 bp
RefSeq ORF:	1989 bp
Locus ID:	18599
UniProt ID:	<u>Q9Z185</u>
Cytogenetics:	4 72.62 cM
Gene Summary:	Catalyzes the deimination of arginine residues of proteins.[UniProtKB/Swiss-Prot Function]