

## Product datasheet for **RN208225**

### **Padi3 (NM\_017230) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Padi3 (NM_017230) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Padi3
Synonyms:	Pdi3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN208225 representing NM\_017230  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTGCAGAGGACTGTACGTGTATCCCTGGAACACCAACCAGCGTGTGTGTGGCAGGGGTTG  
 AGACCATCGTGGACATTTATGGGTCGGTTCCTGAGGGCACAGACATGTTTGAGGTCTATGGGACACCGGG  
 AGTGGACATCTACGTGTCTCCAGCATGGAGAGGAACCGAGAGCGAGCTGACACCAGCGGTGGTCTTC  
 AACAAAGGGGCTGGAGATCATCGTGGTCACTGAACTCCTAGCAATGACCTCAACGACAGTCACGTTCAAA  
 TAGCTTACCCTCCAGTACGAGCATTTGCCCTGGCCTATGCAGTACTTACCTCACCTGTGTGGACAT  
 CACCCTGGACTGTGACATGAACTGTGCTGACCGGCAGGACAGGAGCTTCGTGGATAAGAGGCAGTGGATG  
 TGGGGACCTGATGGGTACGGAGCCATCTTGCTGGTGAAGTGTGATCGGGACGAGGTGAGTCTGATGCC  
 AAGATAACTGTGACCAATGTGTGCGCTGCCTGCAAGATCTGGAAGACATGTCGGTCAATGGTCTACGGAC  
 CCAGGGCCCCGAATCTCTTTGACGACCAGGCTTATCTCCACACCTCCAGTGTGATGCGGAGCGG  
 GCACGGGTCTCCACGTCTGTGGCCCCGAGGATTCCTGCGAAGCCTATAGGTGTGTTCTGGGCCCGGACC  
 GGATGTCTATGAGGTACCCCGCTGAAGGGCTATGAGGAGCGCTTCTACGTGGAGGGCCTCTCCTTCCC  
 TGATGCAGGCTTCCCAGGGATCCTCTCCTTCCATATCACCTGTGGTACTCCAATGAGGACTACTCC  
 GAGACCCCGATCTTACGGACACAGTGGTGTCCGAGTGGCACCTGGATCATGACGCCACGACCCCTGC  
 CACCCCTGGAGGTGTACGTGTGCCAGGTGAGGAATAACACCTGCTTTGTGGAAGCTGTGGAGGAGCTGGC  
 CAGGAAGGCAGGTGCAAACTCACCATCTGTCTCAGGCAGAGAACCCTCAATGACCGATGGATCCAGGAT  
 GAGATGGAGCTGGGTACACGCAGGCGCCACACAAGACTTTGCCTGTGGTCTTTGATTCTCCGAGGAATG  
 GGGAGCTGCAGGGTTTCCCTTACAAAAGGATCCTGGGTCTAGATTTTGGCTACGTGACTCGAGAACCTCC  
 AGACAGTTCTGTGAGCGGTCTGGACTCCTTTGGCAACCTGGAGGTCAGCCCGCCCGTGGTGGCCAATGGG  
 AAGGAGTATCCACTGGGAGGATTCTCATCGGGGCAACCTGCCTGGTTCGAGAGGCCGAGAGTTACCC  
 AGGTGGTACGAGACTTCCATGCCAGAAAGTGAACCTCTGGTGGAGTTGTTTGTGGACTGGCTGGC  
 TGTGGGCCACGTGGATGAATTTCTGAGCTTCGTCCTGCACCAGATGAAAGGGCTTCCGGCTCCTCCTG  
 GCCAGCCCTGGTGCCTCAGGCTATTCCAGGAAAAGCAGAAGTGGGGCCATGGCCGGTCCCTCCTTT  
 TCGAGGGGTCATTGGTACAGGCGGTCAGACCATCTCCATCAATCAGGTTCTTCCAACCAGAGCCT  
 TATCAACTTAAAGTTTGCACAGAGCTGTATTGACTGGAACCGTGGGTGCTGAAGCGGGAGCTAGGC  
 CTGGGGGAGAGCGACATATTGACATCCCACAGCTCTTCAAGTCGGAGAAGGAAAGCGGTGGCCTTCT  
 TCCCGGACCTGGTGAACATGCTGGTACTGGCAAGCACCTGGGCATCCCTAAGCCCTTCGGGCCATCAT  
 CAATGGCCGCTGCTGCCTGGAGGAGAAGGTGCGCTCCCTGCTGGAGCCGCTGGGTCTGACTGCACCTTC  
 ATTGATGACTTACACCGTACCACATGCTGCACGGGGAGGTTCACTGTGGCACCAACGTGCGCCGGGAGC  
 CCTTTGCCTTCAAGTGGTGGCACATGGTGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_017230
- Insert Size:** 1995 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.

**RefSeq:** [NM\\_017230.2](#), [NP\\_058926.1](#)

**RefSeq Size:** 3099 bp

**RefSeq ORF:** 1995 bp

**Locus ID:** 29520

**UniProt ID:** [P70708](#)

**Cytogenetics:** 5q36

**Gene Summary:** catalyzes deimination of arginine residues of proteins in the presence of calcium ions [RGD, Feb 2006]