

Product datasheet for **MC220318**

Padi2 (NM_008812) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Padi2 (NM_008812) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Padi2 |
| Synonyms: | mKIAA0994; Pdi; Pdi2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC220318 representing NM_008812
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCCGCCTATACGGGAAAATATGCTGCGGGAACGGACCGTGCAGTATGGGAGCCGCGTGG
 AGGCGGTGTACGTGCTGGGCACGCAGCTCTGGACCGATGTCTACAGTGCAGCACCTGCTGGGGCCAAAAC
 CTTCAGCCTGAAGCACTCGGAAGGTGTGAAGGTGGAGGTCGTACGTGATGGAGAGGCAGAGGAGGTGGTC
 ACCAACGGCAAGCAGCGCTGGGCCCTGTACCCAGCAGCACACTGCGGCTCAGCATGGCCAGGCCAGCA
 CAGAGGCCAGCAGCGACAAGGTCACTGTCAACTACTATGAAGAGGAGGGCAGCGCCCCATTGACCAGGC
 TGGGCTCTTCTCACGGCATTGAGATCTCGTGGATGTGGACGCAGATCGGGATGGAGAGGTGGAGAAG
 AACAACTCTAAGAAGGCATCCTGGACCTGGGGTCTGAGGGCCAAGGGGCTATCTGCTGGTGAATTGTG
 ACCGAGACACACCCTGGTTGCCAAGGAGGACTGTAGTGACGAAAAGGTCTACAGCAAGCAAGACCTCCA
 GGACATGTCTCAGATGATCCTGCGCACAAAGGCCCTGACCGCTGCCCGCGGGTATGAAATAGTCCTC
 TACATCTCCATGTCAGACTCGGACAAAGTGGGCGTCTTCTACGTGGAGAACCCTGCTTTGGCCAGCGCT
 ATATCCACATCCTGGGCCGGCAGAAGCTCTACCACGTGGTCAAGTACACCGCGGTTCTGCGGAGTTGCT
 GTTCTTTGTGGAAGGCCTCTGTTTCCCCGACGAGAGTTTCTCAGGCCTGGTTTCTATCCACGTCACTCTG
 CTGGAGTATATGGCCGAGGGCATCCCGTTGACCCCATCTTCACAGACACTGTGATGTTCCGGATTGCAC
 CCTGGATTATGACCCCAACATCTTGCCTCTGTGTCAGTGTTCGTGTGCTGCATGAAGGATAATTACCT
 GTTCTGAAAGAGGTGAAGAAGTGGTGGAGAAAACCAACTGCGAACTGAAAGTTTGTTCAGTACATG
 AACCGCGGTGACCGCTGGATCCAGGATGAAATCGAGTTTGGCTACATTGAGGCACCCACAAAGGCTTCC
 CAGTAGTGTGGACTCCCTCGAGATGGAACCTGAAGGACTTCCCATTAAGCAACTCTGGGCCCAGA
 TTTTCGGCTATGTGACCCGGGAGCCCTCTTTGAGACTGTACCAGCCTCGACTCCTTCGGGAATCTGGAG
 GTCAGTCCCCAGTGACCGTGAATGGCAAGGAGTACCCGCTTGGCCGGATCCTCATCGGAAGCAGTTTCC
 CCCTGTCTGGAGGCAGGAGGATGACCAAGGTGGTACGCGACTTCTGCAGGCCAGCAGGTGCAGGCGCC
 CGTGGAATCTACTCCGACTGGCTGACTGTAGGCCACGTGATGAGTTTATGACTTTCATCCCCATCCCA
 GGCAAAAAGGAATTTTCGGCTGCTCATGGCCAGCACCTCCGCTGCTACCAGCTTCTCCGAGAAAAGCAGA
 AGGCAGGCCACGGGAGGCCGTTATGTTCAAGGGCCTGGGAGGCATGAGCAGCAAGCGCATACCATCAA
 CAAGATCTGTCCAATGAGAGCCTCACGCAGGAGAACCAGTACTCCAGCGCTGTCTGGACTGGAACCGC
 GACATCCTTAAGAGGGAGCTAGCGCTGACTGAGAAGGACATTATTGACCTGCCCGCGCTTCTCAAGATGG
 ATGAAAATCACCAAGGCCAGGGCTTTCTTCCCTAACATGGTGAACATGATCGTGCTAGACAAGGACCTGGG
 CATCCCCAAGCCTTTTCGGGCCCCAGGTGGAGGAGGAGTGTGCCTGGAGACGCACGTTCCAGGCCTGCTG
 GAGCCCCCTGGCCTCGCCTGCAGGTTATCGATGACATCTCCGCCTACCAAGTTCTGGGAGAGGTTCC
 ACTGTGGCACCAATGTCCGCAGGAAGCCGTTACCTTCAAGTGGTGGCACATGGTGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_008812
- Insert Size:** 2022 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_008812.2](#), [NP_032838.2](#)

RefSeq Size: 4758 bp

RefSeq ORF: 2022 bp

Locus ID: 18600

UniProt ID: [Q08642](#)

Cytogenetics: 4 73.01 cM

Gene Summary: Catalyzes the deimination of arginine residues of proteins.[UniProtKB/Swiss-Prot Function]