

Product datasheet for **MC217467**

Pdia2 (NM_001081070) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdia2 (NM_001081070) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdia2
Synonyms:	1810041F13Rik; AI661267; Pdip; Pdipl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217467 representing NM_001081070
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAAGCAGCTTCTGCCAGTGTGCTGCTCCTGCTGGGTGTCTCAGGCTCATGGGGACAGGGAGAAG
 AGCCTGGGGTTCCTTCAAGGTGCTCCCTGAGGAGCCACTGGGAAGAAGTCCCAAGGAGGATGGTAT
 CTTGGTCTTGAACCAACCAACCTGAGCCTGGCACTGCAGGAGCATTAGCCCTGATGGTGGAGTTTAT
 GCCCATGGTGTGGTCACTGCAAGAAGTACTCCCGAGTACAGCAAGCGGCTGCCCTGCTGGCGGCTG
 AGTCAGCTGTGGTCACTTGGCCAAGGTGGATGGCCCTGCGGAACCGGAGCTGACCAAGGAGTTTGAAGT
 GGTAGGGTACCCTACACTCAAGTTCTTCCAGAATGGAAACCGCACAAACCCAGAAGAGTACGCAGGGCCC
 AAGACTGCTGAGGCATTGCTGAGTGGCTGAGGCGGCGAGTGGGCCCAGTGCCACACATCTGGAGGATG
 AGGAAGGTGTCCAGGCACTGATGGCCAATGGGATATGGTGGTCACTGGCTTCTTTCAGGATCTACAGGG
 AAAGGATATGGCAACTTCTGCGCTTGGCCAAGGATGCCCTGGACATGACCTTTGGCTTCACTGACCAG
 CCACAACTTTTTGAGAAGTTGGCCTACCAAGGATACTGTGGTCTTTTCAAGAAGTTTATGAGGGTC
 GGGCCGACTTCCCGGTAGACAAGGAGACTGGCCTGGACCTGGGGGACCTGTCCCGCTTCTCGTCATACA
 TAGCATGCACCTGGTACAGAATTCAACAGCCAGACATCACCTAAGATCTTTGCAGCCAAGATCCTCAAC
 CACCTGCTGCTGTTTGTGAACAGACACTAGCTCAACACAGGGAAGTGTGACAGACTTACAGAGAGGCAG
 CTCCTCCATTGAGGGGCGAGGTGTTGTTTCGTAATGGTGGATGTGGCTGCTGACAACAGCCATGTGCTGAA
 TTTTTGGCCTCAAGGCTGAGGAAGCCCCACCTGCGTCTGATCAATGTTGAGACTACCAAGAAGTAT
 GCACCTACAGGGTGATAGCCATCACTGCAGCTTCTGTGGCTGCCTTCTGCCAGGCAGTTCTCCATGGGG
 AAATCAAGCACTATCCTGAGTCAGGAGATACCCCTGACTGGGACCAGGGGCCAGTCAAGACTCCTCGT
 GAGCAAGAATTTTGAAGCAGGTTGCCTTTGATGAAACCAAGAATGTGTTTGTCAAGTTCTATGCCCATGG
 TGAGCCACTGCAAGGAGATGGCTCCAGCCTGGGAGCATTGGCAGAGAAGTACAAGGATCGTGAGGACA
 TTGTCATTGCCGAGTTGGATGCTACAGCTAATGAGCTGGAGGCCTTCTGTGCTCGGCTATCCCACTCT
 CAAGTTCTTCTGCAGGGCCTGACCGAAAGTTATAGACTACAAAAGCACTAGGGACCTAGAGACATTC
 TCCAAGTCTGACAGCGGAGGTCACCTGCCTAAGGAGGAACCAAGGAGCCTGCAGCCTCTGCCCCAG
 AAGCACAAGCCAATTCACCTTGGGTCCCAAGGAGGAGCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001081070

Insert Size: 1584 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_001081070.1](#), [NP_001074539.1](#)

RefSeq Size: 1721 bp

RefSeq ORF: 1584 bp

Locus ID: 69191

UniProt ID: [D3Z6P0](#)

Cytogenetics: 17 A3.3

Gene Summary: Acts as an intracellular estrogen-binding protein. May be involved in modulating cellular levels and biological functions of estrogens in the pancreas. May act as a chaperone that inhibits aggregation of misfolded proteins (By similarity).[UniProtKB/Swiss-Prot Function]