

Product datasheet for **RN202839**

Pdia3 (NM_017319) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdia3 (NM_017319) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdia3
Synonyms:	ER60; ERp57; Grp58
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202839 representing NM_017319
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCTTCAGCTGCCTTGCCTGCTCCCGGGCGTGGCGTTGCTGCTCGCCTCGGCCCTCCTCGCCTCCG
 CCTCAGACGTGTTGGAACGTACGGACGAAAACCTCGAGAGTCGCGTCTCCGACACGGGCTCAGCTGGGCT
 CATGCTAGTCGAGTTCTTCGCCCATGGTGTGGACATTGCAAGAGGCTTGCCCTGAGTATGAAGCTGCA
 GCAACCAGATTAAGGAATAGTCCATTAGCAAAGGTGGACTGCACTGCCAACACAAACACCTGTAATA
 AGTATGGCGTCAGCGGCTACCAACTCTTAAAATATTTAGAGATGGTGAAGAAGCGGGTCTTATGATGG
 GCCTAGGACTGCCGATGGAATTGTCAGCCACTTGAAGAAACAAGCAGGACCAGCTTCAGTTCCTCTCAGG
 ACTGAGGACGAATTAAGAAGTTCATTAGTATAAAGATGCCTCGGTGGTGGGCTTTTTTCAGGGATTTAT
 TCAGTGATGGCCACTCCGAGTTCCTAAAAGCAGCCAGCAACTTGAGAGATAACTACCGATTTGCACACAC
 CAACGTTGAATCTCTGGTGAAGGAGTACGATGATAATGGAGAGGGGATTACTATATTTTCGTCATTACAT
 CTGGCTAACAAATTTGAAGACAAAATTTGGGCATATACTGAAAAGAAAATGACCAGTGGCAAAATCAAGA
 AGTTTTATTCAGGAAAGCATTGTTGGTCTCTGTCCTCATATGACAGAAGATAATAAAGATTTGATACAAGG
 CAAGGACTTACTCACGGCTTACTATGATGTGGACTATGAAAAGAATACTAAAGGTTCTAACTACTGGAGA
 AACAGGGTCATGATGGTGGCAAAGACATTCCTTGATGCTGGACACAAACTCAACTTTGCTGTAGCTAGCC
 GTAACCTTTAGCCATGAATTTGCTGACTTTGGCTTAGAAAGCACTACTGGAGAGATTCCTGTTGTGGC
 TATCAGAACTGCTAAAGGAGAGAAGTTTGTGATGCAGGAGGAGTTCTCGCGGGATGGCAAGGCTCTTGAG
 CGGTTCTGCAGGAATACTTTGATGGCAACTTGAAGAGATACCTGAAGTCTGAACCTATCCCCGAGACCA
 ACGAAGGACCTGTCAAGGTGGTGGTAGCAGAGAGTTTTGATGACATAGTGAATGCTGAAGACAAGGACGT
 GCTGATCGAGTTTTATGCTCCTTGGTGTGGCCACTGTAAGAACCCTGGAACCCAAGTACAAAAGAGCTGGGG
 GAGAAACTCAGCAAAGACCCAAATATTGTCATAGCCAAGATGGATGCCACAGCCAATGATGTGCCTTCTC
 CATATGAAGTCAAGGGTTTTCTACCATCTACTTCTCACCAGCCAACAAGAAGCTAACTCCAAGAAGTA
 TGAAGGTGGCGTGAATTAATGATCTTATCAGCTATCTACAACGAGAAGCTACAAAACCTCCTATAATT
 CAAGAAGAAAACCTAAGAAGAAGAAGAAGGCACAAGAGGACCTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_017319
- Insert Size:** 1518 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_017319.1](#), [NP_059015.1](#)

RefSeq Size: 1874 bp

RefSeq ORF: 1518 bp

Locus ID: 29468

UniProt ID: [P11598](#)

Cytogenetics: 3q35

Gene Summary: interacts with thiazide-sensitive sodium-chloride cotransporter in the kidney and is induced by glucose deprivation [RGD, Feb 2006]