

## Product datasheet for **MR208116**

### **Pdia3 (NM\_007952) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdia3 (NM_007952) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdia3
Synonyms:	58kDa; Erp; ERp57; ERp60; ERp61; Grp58; PDI; PDI-Q2; PI-PLC; Plca; PLC[a]
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208116 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGCTTCAGCTGCCTAGCTCTGCTCCCGGGCGTGGCGTCTGCTCGCCTCGGCCGCTCTCGCCGCC  
 CCTCCGATGTGTTGGAACGACGACGAAAACTTCGAGAGTCGCGTCTCGACACGGGCTCGGCGGGCT  
 CATGCTGGTTCGAGTTCTTCGCCCCCTGGTGTGGACATTGCAAGAGGCTTGCCCTGAGTATGAAGCTGCA  
 GCAACCAGATTAAGGAATAGTCCATTAGCAAAGGTGGATTGCACTGCCAACACAAACACCTGTAATA  
 AGTATGGGGTCACTGGCTACCAACTCTTAAGATCTTTAGAGATGGTGAAGAAGCGGGTCTTATGATGG  
 GCCTAGGACTGCTGATGGAATTGTCAGCCACTGAAGAAACAAGCAGGACCAGCTTCAGTTCCTCTCAGG  
 ACTGAGGAAGAATTAAGAAGTTCATTAGTATAAAGATGCCTCAGTGGTGGGTTTTTTCAGGGATTTAT  
 TCAGTATGGGCACTCTGAATTCCTAAAAGCAGCCAGCAACTTGAGAGATAACTACCGATTTGCACACAC  
 CAACATTGAGTCTCTGGTGAAGGAGTACGATGATAATGGAGAGGGGATCACTATATTCGGTCCATTACAT  
 CTTGCTAACAAAGTTTGAAGACAAAACTGTGGCATAACTGAAAAGAAAATGACCAGTGGCAAGATCAAGA  
 AATTTATTCAGGATAGCATTGTTGGTCTCTGTCCTCATATGACGGAAGATAATAAAGATTTGATACAAGG  
 CAAGGACTTACTACCGCTTACTATGATGTGGACTATGAAAAGAAATGCTAAAGGTTCTAACTACTGGAGA  
 AACAGGGTCATGATGGTGGCAAAGAAATTCCTTGATGCTGGACACAACTCAACTTTGCTGTAGCTAGCC  
 GTAAAACCTTTAGCCATGAAGTGTGAGATTTGGCTTAGAAAGCACTACTGGAGAGGTTCTGTTGTGGC  
 TATCAGAACTGCTAAAGGAGAGAAGTTTGTGATGCAGGAGGAGTCTCGCGAGATGGCAAGGCTCTTGAA  
 CAGTTCCTGCAGGAATACTTTGATGGCAACTGAAGAGATACTGAAGTCTGAACCCATCCAGAGTCCA  
 ACGAAGGCGCTGCAAGGTTGTGGTAGCAGAGAATTTTGTGACATAGTGAATGAAGAAGATAAGGACGT  
 GCTGATTGAATTTACGCCCTTGGTGTGGCCACTGTAAGAATCTGGAACCCAAGTATAAAGAGCTGGGA  
 GAAAAACTCAGCAAAGATCCAAATATTGTCATAGCCAAGATGGATGCCACAGCCAATGATGTGCCTTCTC  
 CATATGAAGTCAAGGTTTTCTACCATCTACTTCTCACCAGCCAACAAGAAGCTAACTCCAAGAAGTA  
 TGAAGGTGGCGTGAATTAATGATTTTATTAGCTATCTACAACGAGAAGCTACAAACCCCTATAATT  
 CAAGAAGAAAAACCTAAGAAGAAGAAGAAGGCACAAGAGGACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208116 protein sequence  
 Red=Cloning site Green=Tags(s)

MRF SCLALLPGVALLASARLAAAADVLELTDENFESRVSDTGSAGLMLVEFFAPWCGHCKRLAPEYEAA  
 ATRLKGVPLAKVDCTANTNTCNKYGVSGYPTLKIFRDGEEAGAYDGPRTADGIVSHLKKQAGPASVPLR  
 TEEEFKKFISDKDASVVGFFRDLFSDGHSEFLKAASNLRDNYRFAHTNIESLVKEYDDNNEGITIFRPLH  
 LANKFEDKTVAYTEKMTSGKIKKFIQDSIFGLCPHMTEDNKDLIQGKDLLTAYYDVDYEKNAKGSNYWR  
 NRVMMVAKKFLDAGHKLNF AVASRKTF SHEL SDFGLESTTGEVPVVAIRTAKEKFMQEEF SRDGKALE  
 QFLQEYFDGNL KRYL KSEPI PESNEGPVKVVAENFDDI VNEEDKDVL IEFYAPWCGHCKNLEPKYKELG  
 EKLSKDPNIVIAKMDATANDVPSPYEVKGFPTIYFSPANKKLT PKKYEGGRELNDFISYLQREATNPPII  
 QEEKPKKKKKAQEDL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_007952

**ORF Size:** 1518 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_007952.1](#), [NM\\_007952.2](#), [NP\\_031978.2](#)

**RefSeq Size:** 2658 bp

**RefSeq ORF:** 1518 bp

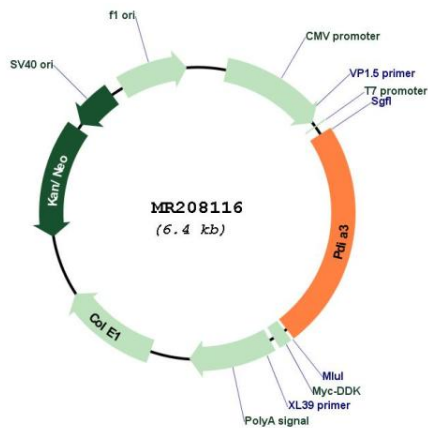
**Locus ID:** 14827

**UniProt ID:** [P27773](#)

**Cytogenetics:** 2 60.38 cM

MW: 56.7 kDa

**Product images:**



Circular map for MR208116