

Product datasheet for **MG208116**

Pdia3 (NM_007952) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdia3 (NM_007952) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdia3
Synonyms:	58kDa; Erp; ERp57; ERp60; ERp61; Grp58; PDI; PDI-Q2; PI-PLC; Plca; PLC[a]
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208116 representing NM_007952
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCTTCAGCTGCCTAGCTCTGCTCCCGGGCGTGGCGTGCTGCTCGCCTCGGCCGTCTCGCCGCC
 CCTCCGATGTGTTGGAACGACGACGAAAACCTTCGAGAGTCGCGTCTCGACACGGGCTCGGCGGGCT
 CATGCTGGTTCGAGTTCTTCGCCCTGGTGTGGACATTGCAAGAGGCTTGCCCTGAGTATGAAGCTGCA
 GCAACCAGATTAAGGAATAGTCCATTAGCAAAGGTGGATTGCACTGCCAACACAAACACCTGTAATA
 AGTATGGGGTCACTGGCTACCAACTCTTAAGATCTTTAGAGATGGTGAAGAAGCGGGTCTTATGATGG
 GCCTAGGACTGCTGATGGAATTGTCAGCCACTGAAGAAACAAGCAGGACCAGCTTCAGTTCCTCTCAGG
 ACTGAGGAAGAATTAAGAAGTTCATTAGTATAAAGATGCCTCAGTGGTGGTTTTTTCAGGGATTTAT
 TCAGTGTGGGCACTCTGAATTCCTAAAAGCAGCCAGCAACTTGAGAGATAACTACCGATTTGCACACAC
 CAACATTGAGTCTCTGGTGAAGGAGTACGATGATAATGGAGAGGGGATCACTATATTCGGTCCATTACAT
 CTTGCTAACAAAGTTTGAAGACAAAACCTGTGGCATACTGAAAAGAAAATGACCAGTGGCAAGATCAAGA
 AATTTATTCAGGATAGCATTGTTGGTCTCTGTCCTCATATGACGGAAGATAATAAAGATTTGATACAAGG
 CAAGGACTTACTACCGCTTACTATGATGTGGACTATGAAAAGAATGCTAAAGGTTCTAACTACTGGAGA
 AACAGGGTCATGATGGTGGCAAAGAAAATTCCTTGATGCTGGACACAACTCAACTTTGCTGTAGCTAGCC
 GTAAAACCTTTAGCCATGAACTGTCAGATTTTGGCTTAGAAAGCACTACTGGAGAGGTTCTGTTGTGGC
 TATCAGAACTGCTAAAGGAGAGAAGTTTGTGATGCAGGAGGAGTTCTCGCGAGATGGCAAGGCTCTTGAA
 CAGTTCCTGCAGGAATACTTTGATGGCAACTGAAGAGATACTGAAGTCTGAACCCATCCAGAGTCCA
 ACGAAGGCGCTGTCAAGGTTGTGGTAGCAGAGAATTTTGTGATGACATAGTGAATGAAGAAGATAAGGACGT
 GCTGATTGAATTTACGCCCTTGGTGTGGCCACTGTAAGAATCTGGAACCCAAGTATAAAGAGCTGGGA
 GAAAAACTCAGCAAAGATCCAAATATTGTCATAGCCAAGATGGATGCCACAGCCAATGATGTGCCTTCTC
 CATATGAAGTCAAGGTTTTCTACCATCTACTTCTCACCAGCCAACAAGAAGCTAACTCCAAGAAGTA
 TGAAGGTGGCGTGAATTAATGATTTTATTAGCTATCTACAACGAGAAGCTACAAACCCCTATAATT
 CAAGAAGAAAACCTAAGAAGAAGAAGAAGGCACAAGAGGACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208116 representing NM_007952
 Red=Cloning site Green=Tags(s)

MRFSLALLPGVALLSARLAAASDVLELTDENFESRVSDTGSAGLMLVEFFAPWCGHCKRLAPEYEAA
 ATRLKGIVPLAKVDCTANTNTCNKYGVSGYPTLKIFRDGEEAGAYDGPRTADGIVSHLKKQAGPASVPLR
 TEEEFKFIISDKDASVVGFFRDLFSDGHSEFLKAASNLRDNYRFAHTNIESLVKEYDDNGEGITIFRPLH
 LANKFEDKTVAYTEKMTSGKIKKFIQDSIFGLCPHMTEDNKDLIQGKDLLTAYYDVDYEKNAKGSNYWR
 NRVMVAKKFLDAGHKLNF AVASRKTFSHEL SDFLESTTGEVPVVAIRTAKEKFMQEEF SRDGKALE
 QFLQEYFDGNLKYRKSEPIPESENEGPVAVVAENFDDIVNEEDKDVLI EYFAPWCGHCKNLEPKYKELG
 EKL SKDPNIVIAKMDATANDVPSPEYVKGFP TIYF SPANKKLPK KYEGGRELNDFISYLQREATNPPII
 QEEKPKKKKKAQEDL

TRTRPLE - GFP Tag - V

Restriction Sites:

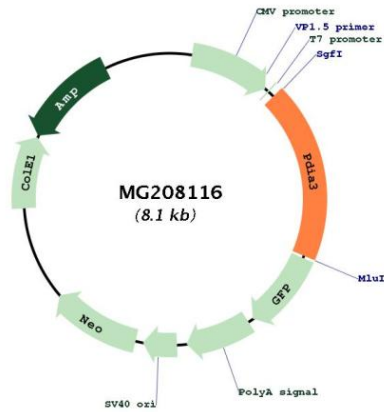
Sgfl-MluI

Cloning Scheme:



- ACCN:** NM_007952
- ORF Size:** 1515 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_007952.2](#), [NP_031978.2](#)
- RefSeq Size:** 2658 bp
- RefSeq ORF:** 1518 bp
- Locus ID:** 14827
- UniProt ID:** [P27773](#)
- Cytogenetics:** 2 60.38 cM

Product images:



Circular map for MG208116