

## Product datasheet for **RN211078**

### **Pdia4 (NM\_053849) Rat Untagged Clone**

#### **Product data:**

|                    |                                      |
|--------------------|--------------------------------------|
| Product Type:      | Expression Plasmids                  |
| Product Name:      | Pdia4 (NM_053849) Rat Untagged Clone |
| Tag:               | Tag Free                             |
| Symbol:            | Pdia4                                |
| Synonyms:          | ERp-72; Erp70; Erp72                 |
| Vector:            | pCMV6-Entry (PS100001)               |
| E. coli Selection: | Kanamycin (25 ug/mL)                 |
| Cell Selection:    | Neomycin                             |



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**Fully Sequenced ORF:** >RN211078 representing NM\_053849  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGCTCCGAAAGCTTGGCTGTTGGTCTGCTCTTGGCGCTGACACAGCTGCTGGCTGCTGCGAGCG  
 CCGAAGATGCGCACGAAGATGCTTCAGATTCAGAAAATCCATTGAGGATGACGACGAGGAGGAGGAAGA  
 TGAAGAAGATGAAGATGACTTGGAAATTAAGGAAGAAAATGGTGTGGTCTAAACGATGAAAATTC  
 GATAACTTTGGCTGACAAAGATACAGTCTCTGGAGTTCTATGCACCGTGGTGGACACTGCAAGC  
 AATTTGCTCCAGAATATGAGAAAATGCCAGTACTTTGAAGGATAATGATCCTCCATTGCTGTTGCAAA  
 GATTGACGCGACCTCAGCATCCATGTTGGCCAGCAAATTCGATGTGAGTGGCTACCCACCATCAAGATC  
 CTGAAGAAGGGACAGGCTGTTGACTATGACGGCTCCAGGACCCAGGAAGAAAATGTTGCCAAAGTCAGAG  
 AAGTTCCAGCCTGATTGGACACCTCCACCTGAAGTCACTCTTACATTGACTAAAGAGAACTTTGACGA  
 TGTTGTAATAATGCAGACATCATTTTGGTGGAGTTCTATGCCCATGGTGGGACACTGCAAGAAAATTT  
 GCCCTGAGTATGAGAAGGCTGCCAAGGAGCTCAGCAAGCGCTCTCCCAATCCCTTAGCCAAAGTTG  
 ATGCCACCGAACAGACAGACCTGGCTAAGAGGTTTGATGTCTCTGGCTACCCACTTTGAAAATATTCGG  
 CAAAGGAAGGCCCTTTGACTACAATGGTCCACGAGAGAAAATGGAATGTTGACTACATGGTTGAGCAG  
 TCTGGACCTCCTTCCAAGGAGATTCTGACCCTGAAGCAGGTCCAGGAGTTTCTGAAGGATGGAGATGATG  
 TAGTCATCCTTGGAGTCTTTAGGGAGTCGGTGACCCAGGCTACTTGCAATCAGGATGCTGCTAACAC  
 CCTGAGAGAAGATTACAAATTCACCACACTTTGAGCACTGAAATAGCTAAGTTCCTGAAAGTCTCCCTG  
 GGGAAACTGGTGTGATGCAGCCTGAGAAGTCCAGTCCAAGTATGAGCCAGGATGCATGTGATGGATG  
 TTCAGGGCTCCACAGAGGCATCAGCCATTAAGGACTATGTGGTGAACATGACTTGCCCTAGTGGGCCA  
 CAGGAAGACTTCTAACGATGCTAAGCGGTACAGCAAGCGCCCTGGTGGTTGTATACTACAGCGTGGAC  
 TTCAGCTTTGATTACAGAAGTCTACTCAGTTTTGGCGTAACAAAGTCTAGAGGTGGCCAAAGGACTTCC  
 CTGAGTACACATTCGCCATTGCTGATGAAGAAGACTATGCCACAGAGGTGAAGGACCTGGGACTGAGTGA  
 GAGTGGAGAGGACGTCATGCAGCCATCTAGATGAGAGTGGGAAGAAGTTTGGCATGGAGCCAGAGGAG  
 TTTGATTCAGATGCTCTCCGAGAATTTGTCATGGCTTTCAAAAAGGAAAATTAAGCCAGTTATCAAA  
 CACAGCCAGTCCCAAGAACAACAAGGGACCAGTCAAGGTTGAGTGGGGAAGACCTTTGATGCCATTGT  
 GATGGACCCAAAAGGACGTCCTCATTGAATTTATGCACCGTGGTGTGGGCACTGCAAGCAGCTGGAG  
 CCTGTCTACACCAGCCTAGGCAAGAAGTACAAGGGCCAGAAGGACTTGGTTCATCGCCAAGATGGATGCTA  
 CTGCCAATGACATCACCAACGACCGATACAAGGTGGAGGGCTTCCCACCATCTATTTGCCCCAGTGG  
 GGCAAAAAGAACCCTAATTAAGTTTGGGGTGGCAACAGAGATCTGGAGCATTGAGCAAGTTTATCGAT  
 GAACATGCCACAAAGAGGAGCAGGACCAAGGAAGAGCTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053849
- Insert Size:** 1932 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\\_053849.1](#), [NP\\_446301.1](#)

**RefSeq Size:** 2398 bp

**RefSeq ORF:** 1932 bp

**Locus ID:** 116598

**UniProt ID:** [P38659](#)

**Cytogenetics:** 4q24

**Gene Summary:** intracisternal calcium-binding microsomal glycoprotein with significant protein disulfide isomerase activity [RGD, Feb 2006]