

Product datasheet for **RN209708**

Pdia6 (NM_001004442) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdia6 (NM_001004442) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pdia6
Synonyms:	CaBP1; P5; Txndc7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN209708 representing NM_001004442
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATCGGGTGATCAGCATGGCTCGACTAGTGCTCGGTCTGGTGAGCTGTACCTTTCTTAGCGGTCACTG
CTCTCTATTCTCCAGTGATGATGTCATCGAGTTAACCCATCAAATTTCAACAGAGAAGTTATTCAGAG
TGATAGTCTGTGGCTTGTAGAATTTATGCACCATGGTGTGGTCATTGCCAAAGGTTAACACCAGAGTGG
AAGAAAGCAGCAAGTGCCTGAAAGATGTTGTTAAAGTCGGTGCAGTCAATGCAGATAAACATCAGTCCC
TGGGAGGTCAGTATGGTGTCCAGGGATTCTACCATCAAGATATTTGGAGCTAACAAAAACAAACCAGA
AGATTACCAGGGTGGCAGAACTGGAGAAGCCATTGTAGATGCCGCCCTCAGTGTCTTGGCCAGCTTGTG
AAGGATCGCCTTGGTGGCGAAGTGGCGGGTACAGTTCTGGAAAGCAGGGCAGAGGTGATAGTTCAAGTA
AGAAGGACGTGGTCGAGCTGACGGATGACACCTTTGATAAGAATGCCTTGACAGTGAAGACGTTTGGAT
GGTTGAGTTTTATGCTCCATGGTGTGGACTGCAAAAACCTGGAGCCAGAAATGGGCTGTCGAGCCACA
GAGGTAAGGAGCAAACGAAGGAAAGGTGAAATTTGGCAGCCGTAGATGCCACCGTGAATCAGGTTCTGG
CCAGCCGGTATGGGATTAAGGATTCCTACAATCAAGATATTTAGAAAGGCGAGTCTCCTGTGGACTA
TGATGGTGGACGGACGAGATCTGACATAGTGTCAAGGGCCCTGGATTTGTTCTCTGATAATGCGCCACCC
CCAGAGCTGCTCGAGATAATCAACGAAGACATAGCCAAGAAGACATGCGAGGAACACCAGCTCTGTGTGG
TGGCCGTGCTGCCTCACATCCTGGACACCGGAGCTACAGGTAGAACTCTTACTTGAAGTTCTTCTGAA
ACTGGCTGACAAGTACAAGAAGAAAATGTGGGGTGGCTGTGGACGGAAGCTGGAGCCAGTATGAGCTG
GAGAACGCACTAGGGATCGGAGGGTTGGGTACCCTGCCATGGCAGCCATCAATGCCCGCAAGATGAAGT
TTGCTCTTCTCAAAGGCTTTTCAGTGAACAAGGCATCAATGAGTTTCTCAGGAACTGTCTTTCGGGCG
TGGCTCCACAGCACCCGTAGGGGGTGGTTCCCTCCCTAACATCACTCCCAGGGAGCCCTGGGATGGCAAG
GATGGCGAGCTTCTGTGGAGGACGACATTGACCTCAGTGTGGAGCTCGATGACCTAGAGAAGGACG
AGTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001004442

Insert Size: 1338 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_001004442.1](#), [NP_001004442.1](#)

RefSeq Size: 1744 bp

RefSeq ORF: 1338 bp

Locus ID: 286906

UniProt ID: [Q63081](#)

Cytogenetics: 6q16

Gene Summary: May function as a chaperone that inhibits aggregation of misfolded proteins. Negatively regulates the unfolded protein response (UPR) through binding to UPR sensors such as ERN1, which in turn inactivates ERN1 signaling. May also regulate the UPR via the EIF2AK3 UPR sensor. Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin.[UniProtKB/Swiss-Prot Function]