

## Product datasheet for **MC217045**

### **Pdzd3 (NM\_133226) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdzd3 (NM_133226) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdzd3
Synonyms:	NaPi-Cap2; Pdzk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC217045 representing NM\_133226  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCAGCTGCAGATCTTCGGGACACGGCCTTGTTAACTCTGAAGTTTAAGTTTAATCCAAGGCTGG  
 GCATTGACAATCCTGTCCCTCCCTCGCTGAAGACCAGGACCAATCTGATCCCTGGAACCTGCACCGGCC  
 TCGCTTTTGTCTGTTGAGCAAGGAGGAGAAAAGACTTTTGGGTTCCATTTGCAGCAGCATCTAGGCAAG  
 GCTGACCATGTGGTGTGCAGGGTCGATCCGGGCACCTCAGCCCAGCGCCAGGGTCTCCGGGAAGGAGATC  
 GGATCCTAGCGGTGAACAATAATATTGTGGCACATGAGGACCACGCGTGGTAGTGCCTACATCCGGGC  
 CAGCGGTCCCGGGTATTGCTGACAGTCTTGGCACAACACGTGCATGATGTGGCGCTGTCTGCAGGGG  
 AGTGACGCTTTCCCTGTCTACCCTACCCTCGGGGTGAGGCCCGGTTGTGCCATGTAGTAAAAGATG  
 AAGGCGCTTTGGCTTCAGCGTCACCCACGGAAGTCGAGGTCCTTTCTGGTTGGTCTCAGTGCAGGAGG  
 AGCTGCTGAGAGGGCAGGGGTGCCCTTGAGCCAGGCTGCTGGAAGTGAATGGGGCCAGTGTGGAGAAG  
 CTCACATACAACCAGCTCAATAGGAAGCTTTGGCAGAGTGGAGATCAGGTGACTCTGCTGGTGGCAGGGC  
 TGGAGGTAGAGGAACAGTGTACCAACTAGGAATGCCTCTTGCTGCACCCCTGGCAGAGGGCTGGGCATT  
 GCCCGCAAGCCCGATGTCTAAACATAGAGAAAGGACCTGAAGGCTTTGGGTTCCCTGCTCCGGGAGGAG  
 AAGGGCTGGATGGCCGACTTGGGCAGTCTTGTGGGACGTGGATCCAGGACTACCAGCTGACAAGGCTG  
 GGATGAAGGCTGGAGACCGCCTGGTGGCTGTGGCCGGGAAAGCGTGGATGGGCTGGGCCATGAGGAAAC  
 AGTGTCTAGAATCCGGGCACAGGGCTCTGTGTCTCTCATTGTGTCGATCCTGAGGCTGACCGCTTC  
 TTCAGCATGGTACGCCTGTCTCCCTCCTCTTCTGGAGAACACTGAGATTGCTGCTCCTCCTCTGGCAG  
 AGACCAAGGATCTCCGGTTGAAGACACAGTTGAGCCTTCTGGCCTTGTGGCTCCTGCAATGCTTCTT  
 GTACCCGGGGCCTGGAGGTGGCTATGGATTCAGACTCTGCTGTGTGGCCAGTGGGCTTGTCTTTTCATC  
 TCCAGGTGACCCAGGAGGCTCAGCTGCCGGGCAGGGCTGCAAGTGGGAGATACAGTTTTGGAGGTGA  
 ACGGATATCCTGTGGCGGAGACAGTGAAGTGGACAGGCTTACGCAACTGACTGAGGCTGAGCCACCCCT  
 CTGCCTGAAGCTAGGAGCTAGGAATCCGCAGGGCTTAGAAGCCTGGATTTCTTGGAGTCTGGAGAGGAC  
 TGGACTCTGGCTCAGAGTTGCTA**TAG**

**ACGGCT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_133226

**Insert Size:** 1497 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_133226.2</a></u> , <u><a href="#">NP_573489.2</a></u>
<b>RefSeq Size:</b>	2181 bp
<b>RefSeq ORF:</b>	1497 bp
<b>Locus ID:</b>	170761
<b>UniProt ID:</b>	<u><a href="#">Q99MJ6</a></u>
<b>Cytogenetics:</b>	9 A5.2
<b>Gene Summary:</b>	Acts as a regulatory protein that associates with GUCY2C and negatively modulates its heat-stable enterotoxin-mediated activation (By similarity). Stimulates SLC9A3 activity in the presence of elevated calcium ions (By similarity).[UniProtKB/Swiss-Prot Function]