

## Product datasheet for MR222466

### Pdzd9 (NM\_001040136) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pdzd9 (NM_001040136) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdzd9
Synonyms:	4930408O21 Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222466 representing NM_001040136 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAAGGGCTCTCTCAAAGCAAAAATGAAAAAGAACAACCTCCAAGGCCAAGGCGTCTGTAAGCA  
GCTTGAACAAAGTGATTCAGACCAAACTCACTGTGGGCAACCTGGGATTGGGCCTGGTCATCCAGAA  
TGGACCTACCTCAGATTAGCCACCTCATCAATAAAGGGGCCGAGCCAGTGATGGAATCCTCCAGCCA  
GGTGATGTTCTGATTAGTGTGGACATGCCAATGTGTTAGGATATACGCTCCGTGAATTTTTAAAGCTTT  
TGCAAAATATCACCATAGGGACAGTGCTACAAATTAAGGCTTACCGAGGCTTTCTTGAAATACCCAGGA  
ATGGCAAGATGTGTATGATTTGATCCCCGAGACCAAAATTTCCAATCCCACACACACCAAAAGAAAACGGAG  
CCGGCAAGAGAGTCTCTTGTAAAGGATGACCATGAAGAGGCGGTTTTAGATAAAAAGCTCAAGTATTACA  
GGTACCCTCGGTCAGTCTGGAATCACCCGTAAGGACACCGATCTCCATCTCCACAGAATGGCACGGGTA  
TGAAAAGAAGGAGCGCACTATTAGTGTGGCAGAGACATTAACCTCGGATGTAGTCATTACAAGGATGAC  
AAGAAGGAAGTGAAGGCCCTTCTCCATACTGGCAATGGTGGAGCAAGACAGAGCCATCTCCTCCTCGT  
CCTCCTCCACTGCCAATCTTCTCCTCAGATGCCTTCTGGCTGGAGGATTATGCACAGGTTGAGGAGGG  
CAATGGTAAACAGGTATCAAAGTTTGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222466 representing NM\_001040136  
 Red=Cloning site Green=Tags(s)

MEKGSLSKSKNEKEQLSKAKASVSSLNKVIQTKLTVGNLGLGLVVIQNGPYLQISHLINKGAAASDGILQP  
 GDVLISVGHANVLGYTLREFLKLQNITIGTVLQIKAYRGFLEIPQEWQDVYDLIPETKFPPIHTPKKTE  
 PARESLVKDDHEEAVLDKCLKYYRYPRSVWNHPVRTPISISTEWHGYEKKERTISVGRDINSDDVVIHKDD  
 KKELRAPSPYWAMVEQDRAISSSSSSTANSSSSDAFWLEDYAQVEEGNGKQVSKFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9077\\_h08.zip](https://cdn.origene.com/chromatograms/mm9077_h08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001040136

**ORF Size:** 798 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\\_001040136.2](#), [NP\\_001035226.1](#)

**RefSeq Size:** 1615 bp

**RefSeq ORF:** 801 bp

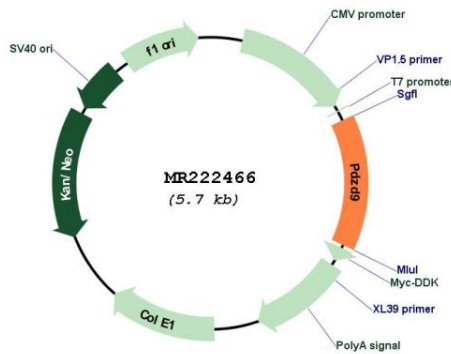
**Locus ID:** 67983

**UniProt ID:** [Q9D9M4](#)

**Cytogenetics:** 7 F2

**MW:** 29.8 kDa

**Product images:**



Circular map for MR222466