

Product datasheet for **MG227603**

Pdzd4 (NM_001029868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdzd4 (NM_001029868) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdzd4
Synonyms:	B230341P03; D130075J17Rik; Kiaa1444-hp; LU1; Pdzk4; PDZRN4L; Pdznk4l; Xlu
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG227603 representing NM_001029868
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGATGTAATATGTGTGTGGTCCAGAAACCGAGGAGCAGTACAAAGTGATGCTTCAGGTGAACGGAA
 AGGAGCTCTCAAGCTGTCTCAGGAGCAAACCTAGAGGCCCTGCGTGCCCTCAAGGAGCCCTGGTGAT
 CCAGGTGCTGAGACGCAGCCCCGTCTGCGGGGGACAGCTCCTGCCATGACCTTCAGCTGGTGACAGT
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 ACTGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

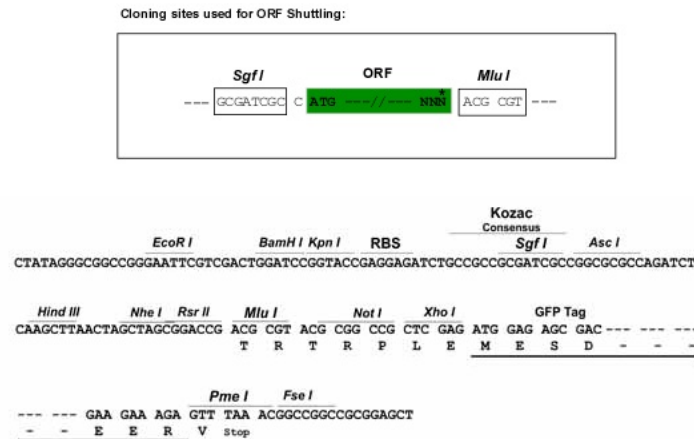
Protein Sequence: >MG227603 representing NM_001029868
Red=Cloning site Green=Tags(s)

MGCNMCVVQKPEEQYKVMLQVNGKELSKLSQEQTLEALRASKEPLVIQVLRSPRLRGDSSCHDLQLVDS
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 LD SGVGR TDEST RNEES EHDLLGDEPPSTTNTPGSLRKFG LQGDALQSRDFHF SMDSL LAEGAGLGGAD
 LPGLTDEEYERYELLEIKCHLENGNLGIFFSRASSGNSALDVNRNESLGHEMAMLEELRHLEFKCRN
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 PLPESPLKRSAGNSNLNRTPSGPPVTTHLKGAPSPGSPAKFRSLSRDPEVGRQHQTEERVRRSTKTSVT
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 VRSDGTRYVAKRPVRDRLLKARALKIREERSGMTDDDAVSEMKGGRYWSKEERKQHLIRAREQRKRREF
 MMQSRLECLREQQNGDSKPELNIIALSHRKTMKKRNKKILDNWITIQEMLAHGARSADGKRIYNPLL SVT
 TV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001029868

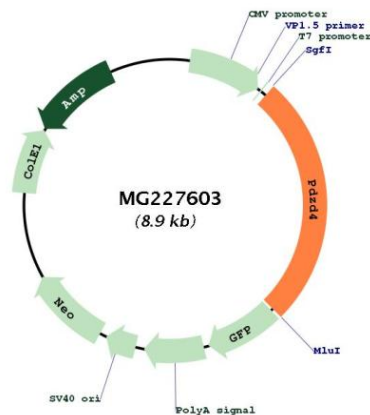
ORF Size: 2316 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001029868.2, NP_001025039.1</u>
RefSeq Size:	3972 bp
RefSeq ORF:	2319 bp
Locus ID:	245469
UniProt ID:	<u>Q9QY39</u>
Cytogenetics:	X A7.3

Product images:



Circular map for MG227603