

Product datasheet for **MG220613**

Pdss2 (NM_001168289) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdss2 (NM_001168289) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pdss2
Synonyms: 5430420P03Rik; Gm60; kd; mDLP1; Plmp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220613 representing NM_001168289
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCTCCGGCAGCTGCTGTTGCGCTTGCCGGTTACCTCGGGGCTTCAGGTCCCCCAGTCGCCACT
 GGTGGTACTTCAGATCCCTCGACAGCATCTCCTCGGCGGGCTCCTGGCGGGGCGCTCCTCCAGGTCACC
 GGCCCATTTGGAACCAGGTGGTGTCCGAGGCGGAGAAGATCGTGGGCTACCCCGCATCCTTCATGAGCCTG
 CGCTGCCTGCTGAGCGACGAGCTCAGCAATATCGCCATGCAGGTCCGGAAGCTGGTGGGACGGGACACC
 CTCTGCTTACCACTGCCAGGGCCCTCGTGCACGACAGCCGGCATAACCTACAACCTGCGGGGCTGGTCGT
 GCTCCTCATATCAAAGGCTGCGGGGCCAGCACTCGGAACGCTGCGTGTCAAGACTACGACATGGTCAGT
 GGGGTATACTCATGTCAAAGAAGTTTGGCAGAGATCACAGAAGTTATCCATACTGCTCCTCGGTGCATC
 GTGGGATAGTAACTTAAGTGAATTACAGTCATCTGATGGACCACTGAAAGACATGCAGTTTGGAAACAA
 AATAGCTATCCTGAGTGGAGACTTCCTTAGCAAATGCATGCAATGGACTAGCTCTTACAGAACACC
 AAGTTTGGAGCTTTTATCAAGTGCTCTTATGGACTTGGTGCATGGAGTATACCAGGAGAACTCTGCTT
 CCACCAAGGAAAATTCTATCCAGATGATATTGGAATCTCGACCTGGAAGGAGCAGACTTTCCTGTCCCA
 TTGTGCCTTGCTAGCGAAGAGCTGCCAGGCTGCAATGGAGTTAGCAAAGCATGATGCTGCGGTCCAAGAC
 ATGGCATTCCAGTATGGGAAGCACATGGCCATGAGTACAAGATCAATGCTGACCTCCAGCCTTTTATTA
 AAGACAAGGCCAGTGACTCTAAGACTTTTAACTAACTAACTCAGCACTGTAGTCTTACATCAGGAGTTTCT
 TGGAAAGAGATTTGTGGATTAAGCAGATTGGAGAGGCTCAAGAGAAAGGAGCTTGAACACTACAGTAAGGTC
 GTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220613 representing NM_001168289
Red=Cloning site Green=Tags(s)

```
MSLRQLLLRLSGYLGASGPPSRHWWYFRSLDISISSAGSWRGRSSRSPAHWNQVVSEAEKIVGYPASFMSL
RCLLSDEL SNIAMQVRKLVGTGHPLLTARALVHDSRHNQLRGLVLLISKAAGPSTRNAACQNYDMVS
GVYSCQRSLAEITELIHTALLVHRGIVNLSELQSSDGPLKDMQFGNKIAILSGDFLLANACNGLALLQNT
KVVELLSSALMDLVHGVYQENSASTKENSIPDDIGISTWKEQTFLSHCALLAKSCQAAMELAKHDAAVQD
MAFYQYGHMAMSHKINADLQPF IKDKASDSKTFNLNSAPVVLHQEFLGRDLWIKQIGEAQEKGLNYSKY
VS
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168289

ORF Size: 1056 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_001168289.1](#), [NP_001161761.1](#)

RefSeq Size: 1581 bp

RefSeq ORF: 1059 bp

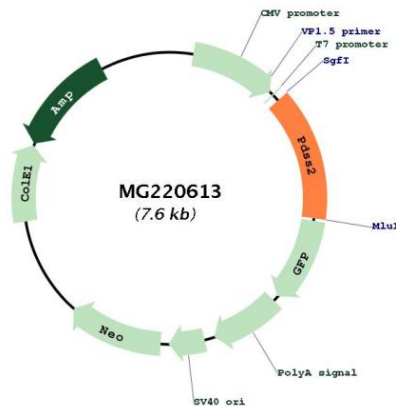
Locus ID: 71365

UniProt ID: [Q33DR3](#)

Cytogenetics: 10 22.91 cM

Gene Summary: Supplies decaprenyl diphosphate, the precursor for the side chain of the isoprenoid quinones ubiquinone-10.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220613