

Product datasheet for MR220610

Pdss2 (NM_027772) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdss2 (NM_027772) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdss2
Synonyms:	5430420P03Rik; Gm60; kd; mDLP1; Plmp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220610 representing NM_027772 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTCCGGCAGCTGCTGTTGCGCTTGTCCGGTTACCTCGGGGCTTCAGGTCCCCCAGTCGCCACT
GGTGGTACTTCAGATCCCTCGACAGCATCTCCTCGGCGGGCTCCTGGCGGGGCGCTCCTCCAGGTCACC
GGCCATTGGAACCAGGTGGTGTCCGAGGCGGAGAAGATCGTGGGCTACCCCGCATCCTTCATGAGCCTG
CGCTGCCTGCTGAGCGACGAGCTCAGCAATATCGCCATGCAGGTCCGGAAGCTGGTGGGACGGGACACC
CTCTGCTTACCACTGCCAGGGCCCTCGTGCACGACAGCCGGCATAACCTACAACCTGCGGGGCTGGTCGT
GCTCCTCATATCAAAGGCTGCGGGGCCAGCACTCGGAACGCTGCGTGTGAGAATACGACATGGTCAGT
GGGGTATACTCATGTCAAAGAAGTTGGCAGAGATCACAGAATTATCCATACTGCTCCTCGTGCATC
GTGGGATAGTAACTTAAGTGAATTACAGTCATCTGATGGACCACTGAAAGACATGCAGTTTGAAACAA
AATAGCTATCCTGAGTGGAGACTTCCTTAGCAAATGCATGCAATGGACTAGCTCTTACAGAACACC
AAGTTGTGGAGCTTTTATCAAGTGCTCTTATGGACTTGGTGCATGGAGTATACCAGGAGAACTCTGCTT
CCACCAAGGAAAATTCTATCCAGATGATATTGGAATCTCGACCTGGAAGGAGCAGACTTTCCTGTCCCA
TTGTGCCTTGCTAGCGAAGAGCTGCCAGGCTGCAATGGAGTTAGCAAAGCATGATGCTGCGGTCCAAGAC
ATGGCATTCCAGTATGGGAAGCACATGGCCATGAGTCAACAAGTCAATGCTGACCTCCAGCCTTTTATTA
AAGACAAGGCCAGTGACTCTAAGACTTTTAACTAACTCAGCACCTGTAGTCTTACATCAGGAGTTTCT
TGGAAGAGATTTGTGGATTAAGCAGATTGGAGAGGCTCAAGAGAAAGGAAGCTTGAACACAGTAAGTTG
CGAGAAACAATCAAAGCTGGCAAAGGTGTGACTTCAGCTATTGACCTGTGTGTTACCATGGAAACAAGG
CACTAGAGGCCCTGGAGAGCTTCCCTCCCTCAGAGGCCAGATCGGCTTTAGAAAACATTGTGTTTGTGT
GACCAGATTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220610 representing NM_027772
Red=Cloning site Green=Tags(s)

MSLRQLLLRLSGYLGASGPPSRHWWYFRSLDISAGSWRGRSSRSPAHWNVVSEAEKIVGYPASFMSL
 RCLLSDEL SNIAMQVRKLVGTGHP LTTARALVHDSRHN LQLRGLVLL ISKAAGPSTRNAACQNYDMVS
 GYVSCQRSLAEITELIHTALLVHRGIVNLSELQSSDGPLKDMQFGNKIAILSGDFLLANACNGLALLQNT
 KVVELLSSALMDLVHGVYQENSASTKENSIPDDIGISTWKEQTFLSHCALLAKSCQAAMELAKHDAAVQD
 MAFQYGKHMAMSHKINADLQPF IKDKASD SKTFNLNSAPVVLHQEFLGRDLWIKQIGEAQEKGSLNYSKL
 RETIKAGKGV TSAIDLCRYHGKALEALESFPPEARSALENIVFAVTRFS

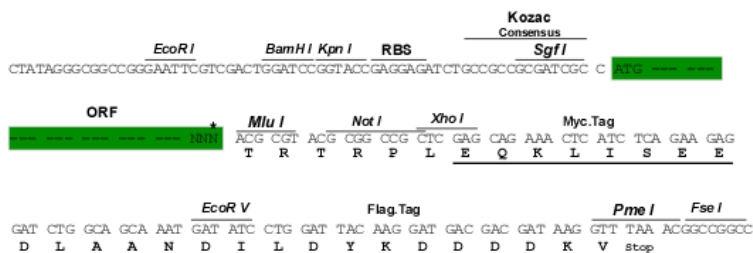
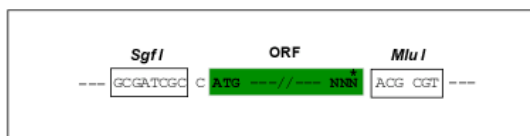
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9044_h12.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_027772

ORF Size: 1203 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_027772.2](#), [NP_082048.2](#)

RefSeq Size: 1773 bp

RefSeq ORF: 1206 bp

Locus ID: 71365

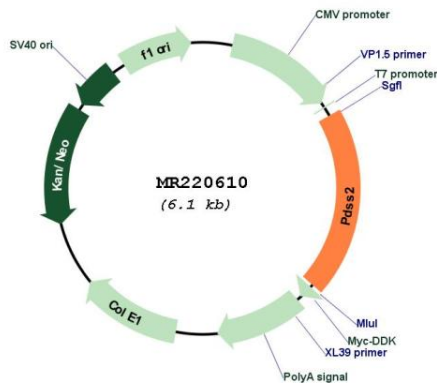
UniProt ID: [Q33DR3](#)

Cytogenetics: 10 22.91 cM

MW: 44.4 kDa

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 MR220610