

Product datasheet for MR204991

Pdss1 (BC026820) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdss1 (BC026820) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdss1
Synonyms:	TPT, mDLP1, mSPS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204991 representing BC026820 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCAGTTGTCGTCAACTCAGAGTGGTGAGAAATACAGTGATCCTTTAACTTGGCTGGAGAGACT
TGAAAGGTCTGTATGAAGACATTAGAAAGGAGCTGCACATCTCCACCAGAGAACTAAAGGACATGTCCGA
ATACTACTTCGATGGCAAAGGAAAAGCCTTTAGACCGATTATTGTGGTGCTAATGGCCCGAGCGTGTAA
ATTCATCATAAATGCCGAGAGATGCAAGCCAGCCAGCGCTCCATAGCCTTAGTTGCAGAAATGATCC
ACACTGCTACTCTGGTTCATGATGACGTTATTGATGATGCAAGTTCTCGAAGAGGAAAACATACAGTTAA
TAAATCTGGGGTGAGAAAAGGCTGTTCTTGCTGGAGATTTAATTCTTTCTGCAGCGTCTGTAGCTCTG
GCACGGATTGAAACACAGCTGTTGTATCTATGTTAGCCCAAGTTATTGAAGATTTGGTGCCTGGTGAAT
TTCTTCAGCTAGGGTCAAAGAAAATGAGAATGAAAGGTTTGCCCACTACCTTGAGAAGACCTTCAAGAA
GACAGCCAGCCTGATAGCCAACAGTTGTAAGCAGTCTCTGTCTGGGTTGCCCTGACCCAGTGGTGCAT
GAGATAGCCTATCAGTATGGGAAAAATGTTGGAATAGCTTTTCAGCTCATAGATGATGATTGGATTTCA
CCTCATGTTCTGACCAGATGGCAAGCCAACATCTGCAGACCTGAAGCTAGGCATAGCCACTGGCCCTGT
CTTGTTTGCTTGCCAGCAGTCCCAGAAATGAATGCTATGATAATGAGACGGTTTCAGTTTGCCAGGAGAT
GTGGACAGACGACGAGTATTACAGAGTATGGCGTGCAGCAAACAACCTACCTCGCCAGCAGT
ACTGCCACAAAGCTGTGAGAGAGATCAGGAAGCTTAGACCATCTACAGAAAGGGACGCCCTCATTACGCT
TTCAGAAAGTGTGCTCACCAGAGATAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204991 representing BC026820
Red=Cloning site Green=Tags(s)

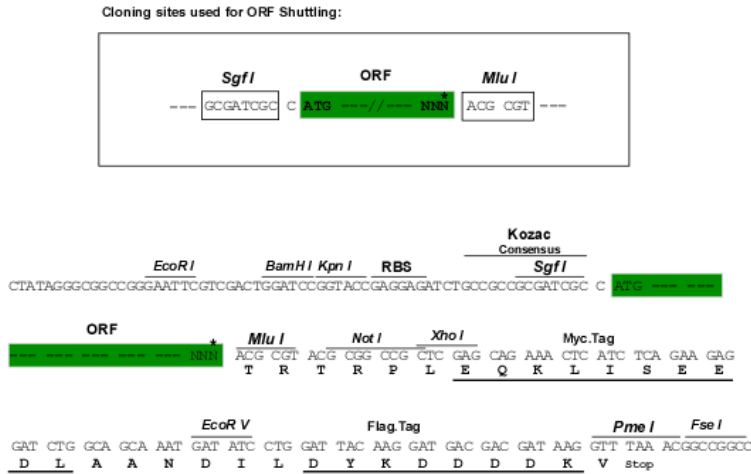
MCSCRQTSQGEKYSDFPKLGWRDLKGLYEDIRKELHISTRELKDMSEYFDGKGFAPRIIVVLMARACN
 IHNNNAREMQASQRSIALVAEMIHTATLVHDDVIDDASSRRGKHTVNKIWGEKKAVLAGDLILSAASVAL
 ARIGNTAVVSM LAQVIEDLVRGEFLQLGSKENENERFAHYLEKTFKKTASLIANSCKAVSVLGC PDPVVH
 EIAYQYGKNVGIAFQLIDDVLDFTSCSDQM GKPTSADLKLGIATGPVLFACQQFPPEMNAMIMRRFSLPGD
 VDRARQYVLQSDGVQQTYYLAQQYCHKAVREIRKLRPSTERDALIQLSESVLTRDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9038_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: BC026820

ORF Size: 1008 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: [BC026820.1](#)

RefSeq Size: 1552 bp

RefSeq ORF: 1010 bp

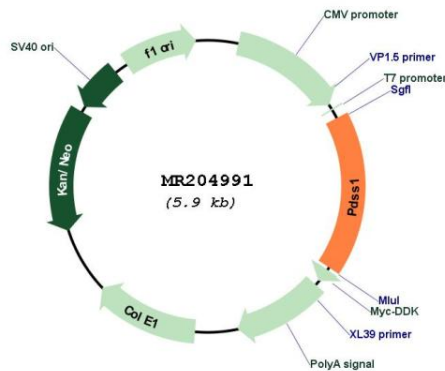
Locus ID: 56075

Cytogenetics: 2 A3

MW: 56.9 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 MR204991