

Product datasheet for MR220286

Pdss1 (NM_019501) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdss1 (NM_019501) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdss1
Synonyms:	2610203G20Rik; 2700031G06Rik; mDLP1; mSPS1; Tprt; TPT; TPT 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220286 representing NM_019501 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTATGCGCTGGTCTGCTGGCGCGTGGCTGCTCCTGGAGGCCGACCGGGTCTGGAGCCCCGCGC
GGGAACGACCTGGCTGTGTGGAGCCTCTCGAACACGTGCCGCCCTCGGACACCCGCGCAGATACCCTA
TTTTAGTCTTATGAAGATTTTAAATGTCTGCCTCCCAACTATGCATAGTATATCACAGTTTCATCAAAGG
ACACCAGCAATGTCAGTTGTCGTCAAACTCAGAGTGGTGAAGAAACAGTGATCCTTTAAACTGGCT
GGAGAGACTTGAAGGTCTGTATGAAGACATTAGAAAGGAGCTGCACATCTCCACCAGAGAACTAAAGGA
CATGTCCGAATACTACTTCGATGGCAAAGGAAAAGCCTTTAGACCGATTATTGTGGTGCTAATGGCCCGA
CGGTGTAATATTCATCATAATAATGCCCGAGAGATGCAAGCCAGCCAGCGCTCCATAGCCTTAGTTGCGAG
AAATGATCCACACTGCTACTCTGGTTCATGATGACGTTATTGATGATGCAAGTTCTCGAAGAGGAAAAACA
TACAGTTAATAAAATCTGGGGTGAAGAAAAGGCTGTTCTTGTCTGGAGATTTAATCTTTCTGCGAGCGTCT
GTAGCTCTGGCACGATTGGAACACAGCTGTTGTATCTATGTTAGCCCAAGTTATTGAAGATTTGGTGC
GTGGTGAATTTCTTCAGCTAGGGTCAAAGAAAATGAGAATGAAAGGTTTGCCCACTACCTTGAGAAGAC
CTTCAAGAAGACAGCCAGCCTGATAGCCAACAGTTGTAAGCAGTCTCTGTCTGGGTTGCCCTGACCCA
GTGGTGCATGAGATAGCCTATCAGTATGGGAAAAATGTTGGAATAGCTTTTCAGTCATAGATGATGAT
TGGATTTACCTCATGTTCTGACCAGATGGCAAGCCAACATCTGCAGACCTGAAGCTAGGCATAGCCAC
TGGCCCTGTCTTGTGTTGCTGCCAGCAGTCCCAGAAAATGAATGCTATGATAATGAGACGGTTTCAGTTTG
CCAGGAGATGTGGACAGACGACAGTATGTATTACAGAGTGTGGCGTGCAGCAAACAACCTACCTCG
CCCAGCAGTACTGCCACAAAGCTGTGAGAGAGATCAGGAAGCTTAGACCATCTACAGAAAGGGACGCCCT
CATTTCAGCTTTCAGAAAGTGTGCTCACCAGAGATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR220286 representing NM_019501
Red=Cloning site Green=Tags(s)

MAMRWSCWRRGCSWRPTAVGSPRRERPQCVPLGTRAASDTRAQIPYFSLMKILMSASPTMHSISQFHQR
 TPAMCSCRQTQSGEKYSDPFKLGWRDLKGLYEDIRKELHISTRELKDMSEYFFDGGKGAFRPIIVLMAR
 ACNIHHNNAREMQASQRSIALVAEMIHTATLVHDDVIDDASSRRGKHTVNIWGEKKAVLAGDLILSAAS
 VALARIGNTAVVSMLAQVIEDLVRGEFLQLGSKENENERFAHYLEKTFKKTASLIANSCKAVSVLGCPDP
 VVHEIAYQYGKNVGIQAFQLIDDLVDFTSQSDQMGKPTSADLKLGIATGPVLFACQQFPEMNAMIMRRFSL
 PGDVDRARQYVLQSDGVQQTYYLAQQYCHKAVREIRKLRPSTERDALIQLSESVLTRDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019501

ORF Size: 1227 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_019501.3](#), [NP_062374.2](#)

RefSeq Size: 1638 bp

RefSeq ORF: 1230 bp

Locus ID: 56075

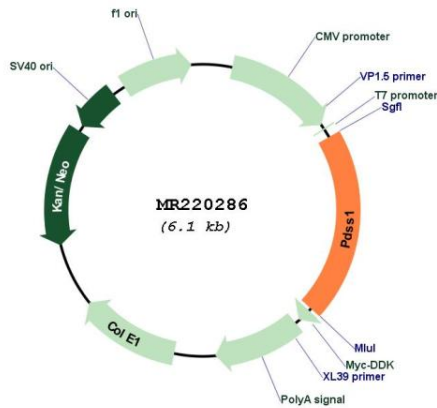
UniProt ID: [Q33DR2](#)

Cytogenetics: 2 A3

MW: 46.3 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 MR220286