

## Product datasheet for **RN202286**

### **Ptdss1 (NM\_001012113) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptdss1 (NM_001012113) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptdss1
Synonyms:	PSS-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202286 representing NM\_001012113  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCTGCGTAGGGAGCAGGACTCTGAGCAAGGATGATGTGAACACAGGATGCATTTCCGCATGA  
 TCAACGAGCAGCAAGTGGAGGACATCACCATAGACTTCTTCTACCGGCCGCACCATCACCTGCTCAG  
 CTTTACCATCATCAGCCTCATGTACTTCGCCTTACCAGGGATGACTGTGTTCTGAAGCAACATCTGG  
 AGAGGCATCCTTTCCGTTATCTTCTTCTCCTCATCATCAGCGTGTAGCATTCCCAATGGCCCTTTTA  
 CTCGGCCCCATCCAGCCTTATGGCGAATGGTTTTTGGCCTCAGTGTGCTGTACTTCTTCTTGGTATT  
 CCTCTGTTCTGAACTTCGAGCAGGTTAAATCCCTGATGTATTGGCTCGACCCCAATCTCCGATACGCC  
 ACCAGAGAAGCAGACATCATGGAGTATGCCGTGAAGTGCATGTGATCACCTGGGAGAGAATCGTTAGTC  
 ACTTTGATATATTGCTTTTGGCATTCTGGGCTGGCCATGAAGGCCTTGTGATCCGTAGTTATGG  
 GCTCTGCTGGACAATCAGTATCACCTGGGAGCTGACAGAGCTTTTCTTCATGCATCTTCTGCCAACTTT  
 GCTGAGTCTGGTGGGACCAGGTCATTCTGGACATCCTGTTGTGTAAATGGTGGTGAATCTGGCTGGGCA  
 TGGTCGTTTTGCCGTTTTTGGAGATGAGGACTTACCCTGGGCAAGCTTCAAGGACATCCACACCACCAC  
 AGGGAAGATCAAGCGTGTGCTACAGTTCACCCCTGTAGCTGGACCTACGTCAGGTGGTTTTGACCCC  
 AAGTCTTCCTTTTCCAGAGAGTGGCTGGTATATACCTTTTTCATGATCATCTGGCAGCTGACTGAGTTGAATA  
 CCTTCTTCTTGAAGCACATCTTTGTGTTCCAAGCCAGCCATCCCTTAAGCTGGTGCAGAATTCTCTTCAT  
 CGGCTGCATTACGGCTCCACAGTGAGACAGTACTACGCCCTACCTCACGGACACACAGTGAAGCGTGTG  
 GGGACACAGTCTGGGTATTTGGGGTATTGGTTTCTGGAAGCCATTGTTTGCATCAAATTTGGACAAG  
 ATCTCTTCTTAAGACCAGATACTCTACGTGGTGGCTTTGGCTTCTTGTGTGGCCTTCACTACGTTCTT  
 GTGCTGTACGGCATGGTTTTGGTATGCAGAGCACTATGGACACCGGAAAAGACCTATTCAGAGTGCGAA  
 GATGGCACTTACAGTCCAGAGATCTCTTGGTATCACGGGAAAGGCTCAAAGGTTCTGAGGACAGCCAC  
 CGAAGCATTCAAACAACAACGAAAGCCATTCTTCCAGAAGAAGGAACCGCATTCCAAGTCAAAGTCCAC  
 CAATGGAGTTGGGAAGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001012113

**Insert Size:** 1422 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\_001012113.1, NP\_001012113.1

RefSeq Size: 2547 bp

RefSeq ORF: 1422 bp

Locus ID: 314553

UniProt ID: Q5PQL5

Cytogenetics: 7q22

**Gene Summary:** Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine. In membranes, PTDSS1 catalyzes mainly the conversion of phosphatidylcholine. Also converts, in vitro and to a lesser extent, phosphatidylethanolamine (By similarity).[UniProtKB/Swiss-Prot Function]