

## Product datasheet for **MG207557**

### **Ptdss1 (NM\_008959) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptdss1 (NM_008959) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ptdss1
Synonyms:	AU044268; AW539008; mKIAA0024; PSS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207557 representing NM\_008959  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGTCTGCGTGGGAGCAGGACTCTGAGCAAGGATGATGTGAACACAGGATGCATTTCCGCATGA  
 TCAACGAGCAGCAAGTGGAGGACATCACCATAGACTTCTTCTACCGCGCCACACCATCACCTGCTCAG  
 TTCACCATCATCAGCCTCATGTACTTCGCTTACCAGGGATGACTCTGTTCCGGAAGCAACATCTGG  
 AGAGGCATCCTGTCTGTTATCTTCTTCTTCTCATCATCAGCGTGTAGCATTCCCAATGGTCCATTTA  
 CTCGACCTCATCCAGCCTTATGGCGAATGGTTTTTGGTCTCAGTGTGTTGATTTCTCTTCTTGGTATT  
 CCTCTTTTCTGAACTTCGAGCAGGTTAAATCCCTGATGATTGGCTGGATCCCAATCTTCGATATGCT  
 ACACGAGAAGCGGACATCATGGAGTATGCTGTGAACGTCATGTGATAACCTGGGAGAGAATCGTTAGTC  
 ACTTTGATATATTTGCATTTGGCATTCTGGGCTGGGCCATGAAGGCCTTGTGATCCGTAGTTATGG  
 GCTTTGCTGGACAATCAGTATCACCTGGGAGCTGACAGAGCTTTTCTTCATGCATCTCCTGCCCAATTTT  
 GCTGAGTCTGGTGGGACCAAGTCACTCTGGACATCCTGTTGTGCAATGGTGGTGAATCTGGCTGGGCA  
 TGGTCGTTTCCCGTTTCTGGAGATGAGAACTTACCCTGGGCAAGCTTCAAGGACATCCACACCACCAC  
 AGGGAAGATCAAGCGAGCTGTGCTGCAGTTCACCCCTGCTAGCTGGACTTACGTCAGGTGGTTTGTATCCC  
 AAGTCTTCCTTTTCAAGAGTGGCTGGTATATACCTCTTCATGATCATATGGCAGTTGACTGAGTTGAATA  
 CCTTCTTCTTGAAGCACATCTTTGTGTTCCAAGCCAGCCATCCCTTAAGCTGGGGTAGAATCCTCTTCAT  
 CGGCTGCATTACGGCTCCACAGTGAGACAGTACTATGCCTACCTCACGGACACACAGTGAAGCGTGTA  
 GGGACACAGTCTGGGTGTTGGGTCATTGGTTTCTGGAAGCTATTGTTTGCATAAAAATTTGGACAAG  
 ATCTCTTTTCTAAGACCCAGATACTCTATGTGATGCTTTGGCTTCTTTGTGTGGCCTTACCACGTTCTCT  
 GTGTCTGTACGGCATGGTTTGGTATGCAGAGCACTATGGTCACCGGAAAAGACCTATTCAGAGTGTGAA  
 GATGGCACTTACAGTCCAGAGATCTCCTGGCATCATGGGAAAGGCTCCAAGGTTCTGAAGACAGCCAC  
 CGAAGCATTCAAGCAACCACGAAAGCCATTCTCCAGAAGAAGGAACCGCATTCTAAGTCCAAAGTCAC  
 TAATGGAGTTGAAAGAAA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG207557 representing NM\_008959  
 Red=Cloning site Green=Tags(s)

MASCVGSRTLKDDVNRYRMHFRMINEQQVEDITIDFFYRPHITILLSFTIISLMYFAFTRDSDVPEDNIW  
 RGILSVIFFFLIISVLAFPNGPFRPHPALWRMVFGLSVLYFLVFLFLNFEQVKSLMYWLDPNLRYA  
 TREADIMEYAVNCHVITWERIVSHFDIFAFGHFWGWAMKALLIRSYGLCWITISITWELTELFMHLPLNF  
 AECWWDQVILDILLCNGGGIWLGMVVCRFLEMRTYHWASFKDIHTTTGKIKRAVLQFTPASWTYVRWFD  
 KSSFQRVAGIYLFMIWQLTELNTFFLKHIFVFQASHPLSWGRILFIGCITAPTVRQYYAYLTDQCKRV  
 GTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVMLWLLCVAFTTFLCLYGMVWYAEHYGHREKTYSECE  
 DGTYSPEISWHHGKSKGSEDSPPKHSSNHESHSSRRNRHRSKSKVTNGVGKK

**TRTRPLE - GFP Tag - V**

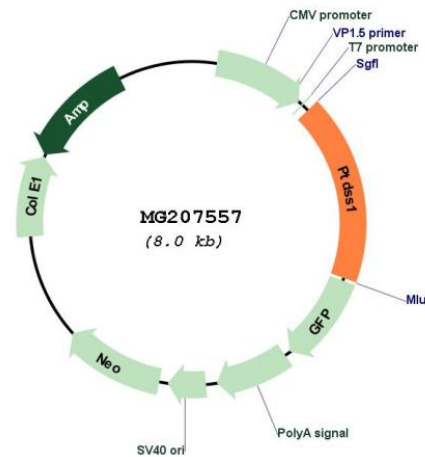
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_008959

ORF Size: 1419 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\\_008959.3](#), [NP\\_032985.2](#)

**RefSeq Size:** 3424 bp

**RefSeq ORF:** 1422 bp

**Locus ID:** 19210

**UniProt ID:** [Q99LH2](#)

**Cytogenetics:** 13 34.54 cM

**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.[UniProtKB/Swiss-Prot Function]