

Product datasheet for **MC216477**

Ptdss1 (NM_008959) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptdss1 (NM_008959) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptdss1
Synonyms:	AU044268; AW539008; mKIAA0024; PSS-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216477 representing NM_008959
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCTCGGTGGGAGCAGGACTCTGAGCAAGGATGATGTGAACACAGGATGCATTTCCGCATGA
 TCAACGAGCAGCAAGTGGAGGACATCACCATAGACTTCTTCTACCGGCCGCACACCATCACCTGCTCAG
 TTCACCATCATCAGCCTCATGTACTTCGCCTTACCAGGGATGACTCTGTTCCGGAAGACAACATCTGG
 AGAGGCATCCTGTCTGTTATCTTCTTCTTCTCATCATCAGCGTGTAGCATTCCCAATGGTCCATTTA
 CTCGACCTCATCCAGCCTTATGGCGAATGGTTTTTGGTCTCAGTGTGTGATTTTCTTCTTGGTATT
 CCTCTTTTCTGAACTTCGAGCAGGTTAAATCCCTGATGATTGGCTGGATCCCAATCTTCGATATGCT
 ACACGAGAAGCGGACATCATGGAGTATGCTGTGAACGTCATGTGATAACCTGGGAGAGAATCGTTAGTC
 ACTTTGATATATTTGCATTTGGCATTCTGGGCTGGCCATGAAGGCCTTGTGATCCGTAGTTATGG
 GCTTTGCTGGACAATCAGTATCACCTGGGAGCTGACAGAGCTTTTCTTCATGCATCTCCTGCCAATTTT
 GCTGAGTCTGGTGGGACCAAGTCACTCTGGACATCCTGTTGTGCAATGGTGGTGAATCTGGCTGGGCA
 TGGTCGTTTCCCGTTTCTGGAGATGAGAACTTACCCTGGGCAAGCTTCAAGGACATCCACACCACCAC
 AGGGAAGATCAAGCGAGCTGTGCTGCAGTTCACCCCTGCTAGCTGGACTTACGTCAGGTGGTTTGTATCCC
 AAGTCTTCCTTTTCAAGAGAGTGGCTGGTATATACCTCTTCATGATCATATGGCAGTTGACTGAGTTGAATA
 CCTTCTTCTTGAAGCACATCTTTGTGTTCCAAGCCAGCCATCCCTTAAGCTGGGGTAGAATCCTCTTCAT
 CGGCTGCATTACGGCTCCACAGTGAGACAGTACTATGCCTACCTCACGGACACACAGTGAAGCGTGTA
 GGGACACAGTCTGGGTGTTGGGTCATTGGTTTCTGGAAGCTATTGTTTGCATAAAAATTTGGACAAG
 ATCTCTTTTCTAAGACCAGATACTCTATGTGATGCTTTGGCTTTTGTGTGGCCTTACCACGTTCTCT
 GTGCTGTACGGCATGGTTTGGTATGCAGAGCACTATGGTCACCGGAAAAGACCTATTCAGAGTGTGAA
 GATGGCACTTACAGTCCAGAGATCTCCTGGCATCATGGGAAAGGCTCAAAGTTCTGAAGACAGCCAC
 CGAAGCATTCAAGCAACCACGAAAGCCATTCTCCAGAAGAAGGAACCGCATTCTAAGTCAAAGTCAC
 TAATGGAGTTGGAAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008959

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_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]