

Product datasheet for **MR207557**

Ptdss1 (NM_008959) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR207557 representing NM_008959
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCTCGGTGGGAGCAGGACTCTGAGCAAGGATGATGTGAACACAGGATGCATTTCCGCATGA
 TCAACGAGCAGCAAGTGGAGGACATCACCATAGACTTCTTCTACCGGCCGACACCATCACCTGCAG
 TTCACCATCATCAGCCTCATGTACTTCGCTTACCAGGGATGACTCTGTTCCGGAAGACAACATCTGG
 AGAGGCATCCTGTCTGTTATCTTCTTCTCATCATCAGCGTGTAGCATTCCCAATGGTCCATTTA
 CTCGACCTCATCCAGCCTTATGGCGAATGGTTTTGGTCTCAGTGTGTGATTTCTCTTCTTGGTATT
 CCTCTTTTCTGAACTTCGAGCAGGTTAAATCCCTGATGATTGGCTGGATCCCAATCTTCGATATGCT
 ACACGAGAAGCGGACATCATGGAGTATGCTGTGAACGTCATGTGATAACCTGGGAGAGAATCGTTAGTC
 ACTTTGATATATTTGCATTTGGCATTCTGGGCTGGGCCATGAAGGCCTTGTGATCCGTAGTTATGG
 GCTTTGCTGGACAATCAGTATCACCTGGGAGCTGACAGAGCTTTCTTCATGCATCTCTGCCCAATTTT
 GCTGAGTCTGGTGGGACCAAGTATTCTGGACATCCTGTTGTGCAATGGTGGTGAATCTGGCTGGGCA
 TGGTCTTTGCCGTTTCTGGAGATGAGAACTTACCCTGGGCAAGCTTCAAGGACATCCACACCACCAC
 AGGGAAGATCAAGCGAGCTGTGCTGCAGTTCACCCCTGCTAGCTGGACTTACGTCAGGTGGTTTATCCC
 AAGTCTTCCTTTAGAGAGTGGCTGGTATATACCTCTTCATGATCATATGGCAGTTGACTGAGTTGAATA
 CCTTCTTCTTGAAGCACATCTTTGTGTTCCAAGCCAGCCATCCCTTAAGCTGGGGTAGAATCCTCTTCAT
 CGGCTGCATTACGGCTCCACAGTGAGACAGTACTATGCCTACCTCACGGACACACAGTGAAGCGGTGA
 GGGACACAGTCTGGGTGTTGGGTCATTGGTTTCTGGAAGCTATTGTTTGCATAAAAATTTGGACAAG
 ATCTCTTTTCTAAGACCCAGATACTCTATGTGATGCTTTGGCTTTTGTGTTGCCCTTACCACGTTCTCT
 GTGCTGTACGGCATGGTTTGGTATGCAGAGCACTATGGTCACCGGAAAAGACCTATTCCAGAGTGTGAA
 GATGGCACTTACAGTCCAGAGATCTCCTGGCATCATGGGAAAGGCTCAAAGTTCTGAAGACAGCCAC
 CGAAGCATTCAAGCAACCACGAAAGCCATTCTCCAGAAGAAGGAACCGCATTCTAAGTCAAAGTCAC
 TAATGGAGTTGAAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207557 representing NM_008959
 Red=Cloning site Green=Tags(s)

MASCVGSRTLKDDVNYRMHFRMINEQQVEDITIDFFYRPHITILLSFTIISLMYFAFTRDSDVPEDNIW
 RGILSVIFFFLIISVLAFPNGPFRPHPALWRMVFGLSVLYFLFLVLLFLNFEQVKSLMYWLDPNLRYA
 TREADIMEYAVNCHVITWERIVSHFDIFAFGHFWGWAMKALLIRSYGLCWITISITWELTELFMHLPLNF
 AECWWDQVILDILLCNGGGIWLGMVCRFLEMRTYHWASFKDIHTTTGKIKRAVLQFTPASWTYVRWDFP
 KSSFQRVAGIYLFMIIWQLTELNTFFLKHIFVFQASHPLSWGRILFIGCITAPTVRQYYAYLTDQCKRV
 GTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVMLWLLCVAFTTFLCLYGMVWYAEHYGHREKTYSECE
 DGTYSPEISWHHGKSGKSEDSPPKHSSNHESHSSRRNRHRSKSKVTNGVGKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_a10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



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

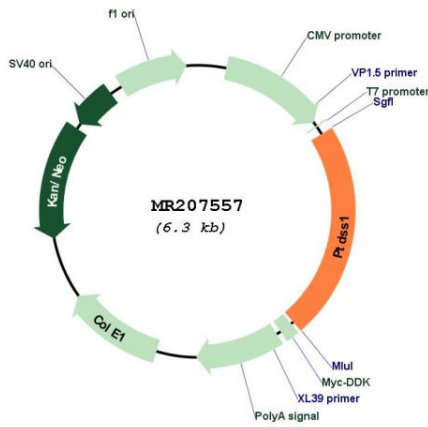
UniProt ID: [Q99LH2](#)

Cytogenetics: 13 34.54 cM

MW: 56.1 kDa

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]

Product images:



Circular map for MR207557