

Product datasheet for **MC216488**

Ptdss2 (NM_013782) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptdss2 (NM_013782) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptdss2
Synonyms:	AI481134; AI988017; PSS2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216488 representing NM_013782
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGAGGGCGAGCGCAGAGTCGCCGGAGGCTCGGGATCTGAGTCTCCGCTGCTCAAGGGCCGCCGCA
 GCACCGAGTCTGAAGTCTACGACGATGGCACTAACACCTTCTTTTGGCGTGCCACACTTTAACTGTGCT
 GTTCATCCTCACCTGTGCGCTGGGCTACGTGACTCTCCTAGAAGAAACCCCTCAGGATACAGCCTACAAC
 ACCAAGAGAGGTATTGTGGCCAGTATTTTGGTTTTCTTATGTTTTGGAGTCACACAAGCTAAAGACGGGC
 CATTTTCCAGACCTCATCCAGCTTACTGGCGTTTTGGCTGTGTGTTAGTGTGGTCTACGAATTGTTTCT
 CATCTTCATCCTTTTCCAGACAGTCCAGGATGGCCGACAGTTTCTGAAGTATGTGGATCCAGGCTGGGA
 GTCCCATTTGCCAGAGAGGGACTACGGGGCAACTGCCTCATCTATGATGCTGACAACAAGACTGACCCTT
 TCCACAACATCTGGGACAAGCTGGATGGCTTTGTTCTGCACACTTCATTGGCTGGTATCTGAAGACGCT
 CATGATCCGTGACTGGTGGATGTGCATGATCATCAGTGTGATGTTTCGAGTTCCTGGAGTACAGCCTGGAG
 CACCAGCTGCCAACTTCAGCGAGTGTGGTGGGACCATTGGATCATGGACGTCCTCGTCTGCAACGGGC
 TGGGCATCTACTGTGGCATGAAGACCCTCGAGTGGCTGTCCCTGAAGACATATAAGTGGCAGGGCCTCTG
 GAACATTTCAAACCTACAAGGGCAAGATGAAGAGGATTGCCTTTCAGTTACGCCTTACAGCTGGGTACGC
 TTTGAGTGAAGCCAGCCTCCAGCCTGCACCGCTGGCTGGCCGTGTGGCATCATCCTGGTGTCTCTGC
 TGGCAGAGCTGAACACCTTCTACCTGAAGTTTGTGCTATGGATGCCCCCTGAACACTACCTGGTCTTCT
 GAGGCTGGTCTTCTTCGTGAACGTGGTGGTGTGGCCATGCGTGAGATCTACGACTTCATGGATGAATTG
 AAGCCCCACAGGAAGCTGGGCCAGCAGGCTGGCTGGTGGCAGCCATCACAGTCACAGAGCTTCTCATCG
 TGGTGAAGTATGACCCGACACACTCACCTGTCACTGCCCTTCTACATCTCCAGTGTGGACTTTGG
 CTCCATCCTGGTCTTACATGGACTGTCTGGCGCTTCTTCTCGCGGACATCACCATGAGGTACAAGGAG
 ACCCGGCGACAGAAGCAGCAGAGTACCAGGCCAGAGCCGTCAACAACCGGGATGGGCACCTGGGCCAG
 ATGATGACCTGCTAGGGACTGGAAGTGCAGAAGAAGAGGGGACCACCAATGACGGTGTGACTGCTGAGGA
 GGGGACCTCAGCCCGCTCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_013782
- 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_013782.4](#), [NP_038810.2](#)

RefSeq Size: 2172 bp

RefSeq ORF: 1422 bp

Locus ID: 27388

UniProt ID: [Q9Z1X2](#)

Cytogenetics: 7 F5

Gene Summary: Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine (PE) or phosphatidylcholine (PC) is replaced by L-serine. PTDSS2 is specific for phosphatidylethanolamine and does not act on phosphatidylcholine. [UniProtKB/Swiss-Prot Function]