

Product datasheet for **SC335354**

PTDSS1 (NM_001290225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTDSS1 (NM_001290225) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTDSS1
Synonyms:	LMHD; PSS1; PSSA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335354 representing NM_001290225. Blue=Insert sequence Red=Cloning site Green=Tag(s)

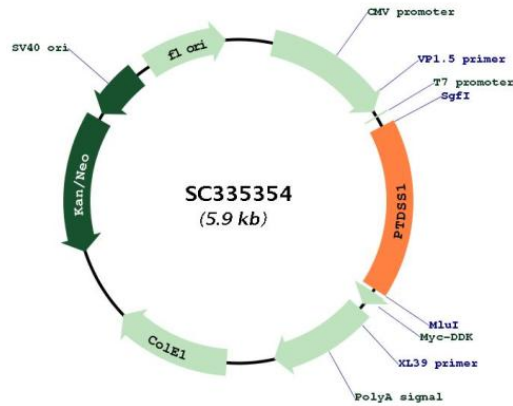
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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TTTGGACATTTCTGGGCTGGGCCATGAAGCCTTGCTGATCCGTAGTTACGGTCTCTGCTGGACAATC
AGTATTACCTGGGAGCTGACTGAGCTCTTCTTCATGCATCTCTCCCAATTTTGCCGAGTGTGGTGG
GATCAAGTCATTCTGGACATCTGTTGTGCAATGGCGGTGGCATTGGCTGGGCATGGTCGTTTGCCGG
TTTTTAGAGATGAGGACTTACCCTGGCAAGCTTCAAGGACATTCATACCACCACCGGGAAGATCAAG
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AAGCATATCTTTGTGTTCCAAGCCAGTCATCCATTAAGTTGGGGTAGAATTCTCTTTATTGGTGGCATC
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TGCTGGGTGTTTGGGGTCATTGGTTTCTGGAGGCCATTGTTTGCATAAAATTTGGACAAGATCTCTTC
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GGCGTTGGAAAGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001290225

Insert Size: 984 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_001290225.1](#)

RefSeq Size: 2406 bp

RefSeq ORF: 984 bp

Locus ID: 9791

UniProt ID: [P48651](#)

Cytogenetics: 8q22.1

Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
MW:	38.3 kDa
Gene Summary:	<p>The protein encoded by this gene catalyzes the formation of phosphatidylserine from either phosphatidylcholine or phosphatidylethanolamine. Phosphatidylserine localizes to the mitochondria-associated membrane of the endoplasmic reticulum, where it serves a structural role as well as a signaling role. Defects in this gene are a cause of Lenz-Majewski hyperostotic dwarfism. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2014]</p> <p>Transcript Variant: This variant (2) lacks two consecutive alternate exons compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>