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Product datasheet for SC114852

PTDSS1 (NM_014754) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTDSS1 (NM_014754) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTDSS1
Synonyms:	LMHD; PSS1; PSSA
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014754, the custom clone sequence may differ by one or more nucleotides

ATGGCGTCCTGCGTGGGGAGCCGGACCCTAAGCAAGGATGATGTGAACTACAAAATGCATTTCCGGATGA
TCAACGAGCAGCAAGTGGAGGACATCACCATTGACTTCTTCTACCGGCCGCATACCATCACCCTGCTCAG
CTTCACCATCGTCAGCCTCATGTACTTCGCCTTTACCAGGGATGACTCTGTTCCAGAAGACAACATCTGG
AGAGGCATCCTCTCTGTTATTTTCTTCTTTCTTATCATCAGTGTGTTAGCTTTCCCCAATGGTCCGTTCA
CTCGACCTCATCCAGCCTTATGGCGAATGGTTTTTGGACTCAGTGTGCTCTACTTCCTGTTCCTGGTATT
CCTACTCTTCCTGAATTTCGAGCAGGTTAAATCTCTAATGTATTGGCTAGATCCAAATCTTCGATACGCC
ACAAGGGAAGCAGATGTCATGGAGTATGCTGTGAACTGCCATGTGATCACCTGGGAGAGGATTATCAGCC
ACTTTGATATTTTTGCATTTGGACATTTCTGGGGCTGGGCCATGAAGGCCTTGCTGATCCGTAGTTACGG
TCTCTGCTGGACAATCAGTATTACCTGGGAGCTGACTGAGCTCTTCTTCATGCATCTCCTCCCCAATTTT
GCCGAGTGCTGGTGGGATCAAGTCATTCTGGACATCCTGTTGTGCAATGGCGGTGGCATTTGGCTGGGCA
TGGTCGTTTGCCGGTTTTTAGAGATGAGGACTTACCACTGGGCAAGCTTCAAGGACATTCATACCACCAC
CGGGAAGATCAAGAGAGCTGTTCTGCAGTTCACTCCTGCTAGCTGGACCTATGTTCGATGGTTTGACCCC
AAATCTTCTTTTCAGAGAGTAGCTGGAGTGTACCTTTTCATGATCATCTGGCAGCTGACTGAGTTGAATA
CCTTCTTCTTGAAGCATATCTTTGTGTTCCAAGCCAGTCATCCATTAAGTTGGGGTAGAATTCTCTTTAT
TGGTGGCATCACAGCTCCCACAGTGAGACAGTACTACGCTTACCTCACCGACACACAGTGCAAGCGCGTA
GGAACACAATGCTGGGTGTTTGGGGTCATTGGTTTCCTGGAGGCCATTGTTTGCATAAAATTTGGACAAG
ATCTCTTCTCTAAGACCCAAATACTCTATGTTGTGCTTTGGCTTCTTTGCGTGGCTTTCACCACTTTCCT
CTGTCTGTACGGCATGATTTGGTATGCAGAACACTATGGTCACCGAGAAAAGACCTACTCGGAGTGTGAA
GATGGCACCTACAGTCCAGAGATCTCCTGGCATCACAGGAAAGGGACAAAAGGTTCTGAAGACAGCCCAC
CCAAGCATGCAGGCAACAACGAAAGCCATTCTTCCAGGAGAAGGAATCGGCATTCCAAGTCAAAAGTCAC
CAATGGCGTTGGAAAGAAATGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014754 unedited
TTTGTATACGACTCACTATAGGCGGCCCGCGAATTCGCACGAGGGGGGAGGCGGGCCATG
GCGTCCTGCGTGGGGAGCCGGACCCTAAGCAAGGATGATGTGAACTACAAAATGCATTTC
CGGATGATCAACGAGCAGCAAGTGGAGGACATCACCATTGACTTCTTCTACCGGCCGCAT
ACCATCACCCTGCTCAGCTTCACCATCGTCAGCCTCATGTACTTCGCCTTTACCAGGGAT
GACTCTGTTCCAGAAGACAACATCTGGAGAGGCATCCTCTCTGTTATTTTCTTCTTTCTT
ATCATCAGTGTGTTAGCTTTCCCCAATGGTCCGTTCACTCGACCTCATCCAGCCTTATGG
CGAATGGTTTTTGGACTCAGTGTGCTCTACTTCCTGTTCCTGGTATTCCTACTCTTCCTG
AATTTCGAGCAGGTTAAATCTCTAATGTATTGGCTAGATCCAAATCTTCGATACGCCACA
AGGGAAGCAGATGTCATGGAGTATGCTGTGAACTGCCATGTGATCACCTGNGAGAGGATT
ATCAGCCACTTTGATATTTTTGCATTTGGACATTTCTGGGGCTGGGCCATGAAGGCCTTG
CTGATCCGTAGTTACGGTCTCTGCTGGACAATCAGTATTACCTGNGAGCTGACTGAGCTC
TTCTTCATGCATCTCCTCCCCAATTTTGCCGAGTGCTGGTGGGATCAAGTCATTCTGGAC
ATCCTGTTGTGCAATGGCGGTGGCATTTGGCTGGGCATGGTCGTTTGCCGGTTTTTAGAG
ATGAGACTACCACTGGGCAAGCTTCAAGGACATTCTACCACCACCCGGAAGATCAAGAGA
GCTGTCTGCAGTCACTTCTGCTAGCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014754 unedited
ACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TAGGCTTTAAAGGGAATCGTTTTTATTTAAAACAGGGATCCATCAGAGGGGGTGAACTAT
CAAGGTCAAGGTTCTAAAGCATGGCACAAATGAAAGGTAATACTCACCAGCACCTCACAT
GGGACTCAGTGACAATGTCAGCAACACACCATGGAAGGAGAACAAACCCGATGTAAAAGG
CACCTAACTGGGGAAAAGCTGTGGTGTTCACTGCCTCTCTAACAGGTTTGCTTTTGTGCA
CTGGGGCTAAGTCTGGATGAATAATATTGGGAAGGGAATAATCGGAAGCGAGGCTCCTAT
GCAGGCAGCTACCCTCTCCTGATTGGGGTATACTCGCCATGTGGGAGGAGGTCTTACAGG
AGACTGAGGTTACCAAACAGGAATACAACACCCTCTCTCCCTTTTCTGCTCTAGAAGGAA
GGGGAACCCTTTCCCAGTATCAATTTAGCAGCGGGTTCTAAAGGCTGTTAAAAAGCATCC
TAACTTAAAAACAAATAACCCCCCGTTCCCAAAAAAAAACACAGAAAAGGGGCCTGAACT
CTAATTACATCAATGGAAAGGGTGTATTCTCAAAAATAAATTAAAACCTGGCGAACCACC
CCATTACCCATGGGGTTAACGCCCCCGGTCGAAAGAAAAATGTTAACTCTGCATTTCCCA
CACCACAAGGGCCCGGAACTTCTTTTGGCCACCTTGAAAAAAATAACTCTTCCTTTTCCC
TTTAACACACCCCCTATTTCTACCGGGAACCCCATGTCACGTCGCGCAACCTAAAAAAAA
CTCTCTTTTAGTAAACGCCTCCACAATAATAATTTTTCTCCCCCCTTATTTTTGTGCCCA
ACCATAATTTCCACCTTAAATACCCACCCACAGGTCCCCGCCTTTTTTCTTTTG

Restriction Sites: NotI-NotI

ACCN: NM_014754

Insert Size: 2820 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_014754.1, NP_055569.1
RefSeq Size:	2504 bp
RefSeq ORF:	1422 bp
Locus ID:	9791
UniProt ID:	P48651
Cytogenetics:	8q22.1
Domains:	PSS
Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).