

Product datasheet for **RG201012**

PTDSS1 (NM_014754) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTDSS1 (NM_014754) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PTDSS1
Synonyms:	LMHD; PSS1; PSSA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201012 representing NM_014754
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCTCGGTGGGAGCCGGACCCTAAGCAAGGATGATGTGAACACAAAATGCATTTCCGGATGA
 TCAACGAGCAGCAAGTGGAGGACATCACCATTTGACTTCTTCTACCGCCGCATACCATCACCTGCTCAG
 TTCACCATCGTCAGCCTCATGTAATTCGCTTTACCAGGGATGACTCTGTTCCAGAAGCAACATCTGG
 AGAGGCATCCTCTCTGTTATTTTCTTTCTTATCATCAGTGTGTAGCTTTCCCAATGGTCCGTTCA
 CTCGACCTCATCCAGCCTTATGGCGAATGGTTTTGGACTCAGTGTCTACTTCTGTTCCCTGGTATT
 CCTACTTCTGAAATTCGAGCAGGTTAAATCTCTAATGTATTGGCTAGATCCAAATCTTCGATACGCC
 ACAAGGGAAGCAGATGTCATGGAGTATGCTGTGAACGCCATGTGATCACCTGGGAGAGGATTATCAGCC
 ACTTTGATATTTTGCATTTGGACATTTCTGGGCTGGCCATGAAGGCCTTGCTGATCCGTAGTTACGG
 TCTCTGCTGGACAATCAGTATTACCTGGGAGCTGACTGAGCTCTTCTTCATGCATCTCTCCCAATTTT
 GCCGAGTCTGGTGGGATCAAGTATTCTGGACATCCTGTTGTGCAATGGCGGTGGCATTGGCTGGGCA
 TGGTCTTTGCCGTTTTAGAGATGAGGACTTACCCTGGGCAAGCTTCAAGGACATTCATACCACCAC
 CGGAAGATCAAGAGAGCTGTTCTGCAGTTCACCTCTGCTAGCTGGACCTATGTTTCGATGGTTTGACCC
 AAATCTTCTTTTTCAGAGAGTACCTGGAGTGTACCTTTTCATGATCATCTGGCAGCTGACTGAGTTGAATA
 CCTTCTTCTTGAAGCATATCTTTGTGTTCCAAGCCAGTCCATTAAGTTGGGGTAGAATTTCTCTTTAT
 TGGTGGCATCACAGCTCCACAGTGAGACAGTACTACGCTTACCTCACCGACACACAGTGAAGCGCGTA
 GGAACACAATGCTGGGTGTTGGGGTATTGGTTTCTGGAGGCCATTGTTTGCATAAAAATTTGGACAAG
 ATCTCTTCTAAGACCCAAATACTCTATGTTGTGCTTTGGCTTTTGGCTTTTGGCTTTTCCACTTTCT
 CTGTCTGTACGGCATGATTTGGTATGCAGAACACTATGGTCACCGAGAAAAGACCTACTCGGAGTGTGAA
 GATGGCACCTACAGTCCAGAGATCTCTGGCATCACAGGAAAGGACAAAAGTTCTGAAGACAGCCAC
 CCAAGCATGCAGGCAACAACGAAAGCCATTCTCCAGGAGAAGGAATCGGCATTCCAAGTCAAAGTAC
 CAATGGCGTTGGAAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201012 representing NM_014754
 Red=Cloning site Green=Tags(s)

MASCVGSRTLKDDVNYKMFRMINEQQVEDITIDFFYRPHITILLSTIVSLMYFAFTRDSDVPEDNIW
 RGILSVIFFFLIISVLAFPNGPFRPHPALWRMVFGLSVLYFLFLVLLFLNFEQVKSLMYWLDPNLRYA
 TREADVMEYAVNCHVITWERIISHFDIFAFGHFWGWAMKALLIRSYGLCWITISITWELTELFMHLPLNF
 AECWWDQVILDILLCNGGGIWLGMVVCRFLEMRTYHWASFKDIHTTTGKIKRAVLQFTPASWTYVRWFD
 KSSFQRVAGVYLFMIWQLTELNTFFLKHIFVFQASHPLSWGRILFIGGITAPTQYVYAYLTDQCKRV
 GTQCWVFGVIGFLEAIVCIKFGQDLFSKTQILYVVLWLLCVAFTTFLCLYGMWYAEHYGHREKTYSECE
 DGTYSPEISWHHRKGTGKSEDSPPKHAGNESHSSRRNRHRSKSKVTNGVGKK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_014754

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_014754.3](#)

RefSeq Size: 2504 bp

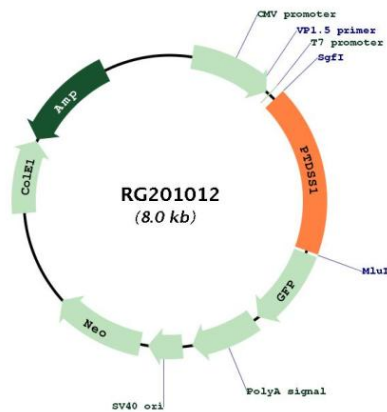
RefSeq ORF: 1422 bp

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]

Product images:



Circular map for RG201012