

Product datasheet for **SC319426**

PTDSS2 (NM_030783) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTDSS2 (NM_030783) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTDSS2
Synonyms:	PSS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030783.1
 CAATGCACCGCACACCCTTTACTGGCCGGCCCCGCGCTGCTCTCCTAAGACCCCGCGGGC
 CAGCGCCGCGACCCTTCCCAGCGCTCCTCGCGCTGTGTGCGGCGCGTCTCTCGCCGGT
 GACCCGGTGTGCGTGGGGTCGAGGCGCCGGGCGGAGTGGTCCGGGCCGAAACGCCATGC
 GGAGGGGCGAGCGCAGGGACGCCGGAGTCCGCGGCCGAGTCCCGGTGCCCGGGCA
 GGGCCTCGCTGGAGGAGCCGCTGACGGGCCGTCTGCCGGCAAGCCACCGGGCCGGGGC
 AGGGCCGCGCAGCACCCAGTCCGAGGTCTACGACGACGGCACCAACACCTTCTTCTGGC
 GAGCCACACCTTAACCGTGCTTTCATCTCACCTGTACGCTTGCTATGTGACGCTGC
 TGGAGGAAACACCTCAGGACACGGCCTACAACACCAAGAGAGGTATTGTGGCCAGTATTT
 TGGTTTTCTTATGTTTTGGAGTACACAAGCTAAAGACGGGCCATTTTCCAGACCTCATC
 CAGCTTACTGGAGTTTTGGCTCTGCGTGAGTGTGGTCTACGAGCTGTTTCTCATCTTTA
 TACTCTTCCAGACTGTCCAGGACGGCCGAGTTTCTAAAGTATGTTGACCCCAAGCTGG
 GAGTCCCAGTCCAGAGAGAGACTACGGGGGAACTGCCTCATCTACGACCCAGACAATG
 AGACTGACCCCTTTCACAACATCTGGGACAAGTTGGATGGCTTTGTTCCCGCGCACTTTC
 TTGGCTGGTACCTGAAGACCCTGATGATCCGAGACTGGTGGATGTGCATGATCATCAGCG
 TGATGTTTCGAGTTCCTGGAGTACAGCCTGGAGCACCAGCTGCCCAACTTACGCGAGTGT
 GGTGGGATCACTGGATCATGGACGTGCTCGTCTGCAACGGGCTGGGCATCTACTGCGGCA
 TGAAGACCCTTGAGTGGCTGTCCCTGAAGACGTACAAGTGGCAGGGCCTCTGGAACATTC
 CGACCTACAAGGGCAAGTGAAGAGGATCGCCTTCCAGTTCACGCCGTACAGCTGGGTTC
 GCTTCGAGTGAAGCCGGCCTCCAGCCTGCGTCTGCTGGTGGCCGTGTGCGGCATCATCC
 TGGTGTTCCTGTTGGCAGAACTGAACACGTTCTACCTGAAGTTTGTGCTGTGGATGCCCC
 CGGAGCACTACCTGGTCTCTCGCGCTCGTCTTCTTCGTGAACGTGGGTGGCGTGGCCA
 TGCGTGAGATCTACGACTTTCATGGATGACCCGAAGCCCAAGAAGCTGGGCCCGCAGG
 CCTGGCTGGTGGCGCCATCACGGCCACGGAGCTGCTCATCGTGGTGAAGTACGACCCCC
 ACACGCTCACCTGTCCCTGCCCTTCTACATCTCCAGTGTGGACCCTCGGCTCCGTCC
 TGGCGCTCACCTGGACCTGTGGCGCTTCTTCTGCGGGACATCACATTGAGGTACAAGG
 AGACCCGGTGGCAGAAGTGGCAGAACAAGGATGACCAGGGCAGCACCGTCCGCAACGGGG
 ACCAGCACCCACTGGGGCTGGACGAAGACCTGCTGGGGCCTGGGGTGGCCGAGGGCGAGG
 GAGCACCAACTCCAACTGACCTGGGCCGTGGCTGCCTCGTGAGCCTCCCAGAGCCAGG
 CCTCCGTGGCCTCCTCTGTGTGAGTCCCACCAGGAGCCAGTGCCTGGCCCTTGGCCCTCA
 AGGTTTTTTGCTTTTCTCCTGTGCACCTGGCGAGGCTGAAGGCGAGGGGTGGAGGAGGCC
 CCAGCACAGCCTCATCTCCATGTGTACAGTGTGTACGTGTGTATGCGTGTGTGTACGCG
 TGTGTACGCGCGTGTGTACACATGCGTGGCCGCCTGTGGTGTGCACGTGTGCTCTGGGCT
 CCGAGGCTTCTCCAGAGCTGGGAGCTGGCTGGCGTGGCAAGGGCATGCTCTGGGGCAGTG
 TGTCCCTCAGGAACCAGGGTCTCCCTCCCCTTCTGCTGGTACGCCCCGTGGCCTCTG
 GCCACCAAGCTCCCTGTACCCAGCCATGGTGTGGTCCAGGCAGGGACATCTCGGTACC
 CTTTCTGCACTCCGTGGGCCCTGGGTGCGCTGAGGCCTGGAGGCGTCTACACTGGCTCCA
 CATCCACTTCCCCCGAGCTCGTGTGGGCGCTCGTCCACAACACTCCGTGGCTGAGAGG
 CAGCGGATCCAGGCAGCGATGCTGAGCCACCTCCTCCGAGCCTTCTTTTACACAGACCA
 CCCCAGGAGACAGTGGATGATGGGGTACAGAGTCACTGAGCTGCCCTCAAGGGGGCCT
 GGAACCCGGGTGCTGGGGTCATGCTGCCTCCGTGGCTCCAAGGTGAGGGTCACTTTCAG
 AGCAAAGAGAACCAATAAAGTGACAACGAACGTCTGAGGCTTCCAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_030783

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_030783.1</u> , <u>NP_110410.1</u>
RefSeq Size:	2473 bp
RefSeq ORF:	1464 bp
Locus ID:	81490
UniProt ID:	<u>Q9BVG9</u>
Cytogenetics:	11p15.5
Domains:	PSS
Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
Gene Summary:	<p>The protein encoded by this gene catalyzes the conversion of phosphatidylethanolamine to phosphatidylserine, a structural membrane phospholipid that functions in cell signaling, blood coagulation, and apoptosis. The encoded enzyme also has a high affinity for docosahexaenoic acid (DHA) and can use it to make DHA-containing phosphatidylserine. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>