

Product datasheet for **RN208430**

Sgpl1 (NM_173116) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgpl1 (NM_173116) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sgpl1
Synonyms:	S1PL; Spgl1; spl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208430 representing NM_173116
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAGTACCGACCTTCTCAAGTTGAAGGACTTCGAGCCTTATTTGGAGATTTTGAAGCATATTCCA
 CAAAAGCCAAGAATTACGTGAATGGTACTGCACCAAATACGAGCCCTGGCAGCTCATTGCGGGGAGTGT
 CCTGTGTAATCTGCTGGTACTGGGTATATGAGCTTATCTCCAGCCAGAGAGTTTATGGTCTCGGTTT
 AAAATAAATTATTTAGGCTTATAAGGAAGATGCCATTTATTGGACGTAAGATACAACAGCAGCTTACCA
 AAGCCAAGAAGGATCTTGTCAAGAACATGCCATTCCTGAAGTTGGACAAAGATTATGTGAAAACCTGCC
 TGCTCAGGGTCTGAGCACAGCTGAGGTTCTGGAGAGACTCAAGGAGTACAGCTCCATGGATGTCTTCTGG
 CAAGAAGGGAAAGCCTCAGGAGCTGTGTACAGTGGGGAGCCGAAGCTCACCGAGCTGCTGGTGCAGGCTT
 ACGGAGAATTCAGTGGAGCAATCCACTGCACCCAGATATCTTCCCGGACTACGGAAGTTAGAGGCAGA
 AATCGTGAGGATGACTTGTCCCTCTTCAATGGGGGCCAGACTCCTGTGGATGTGTGACTTCTGGGGGA
 ACAGAAAGCATCCTAATGGCCTGCAAAAGCATATCGGGACTTGGCCTTAGAGAAGGGGATCAAAAACCTCAG
 AAATTGTGGCTCCTGAGAGTGCCACGCGCATTTCGACAAAGCAGCTCATTATTTTCGGAATGAAGATTGT
 ACGCGTTGCGCAGAAAAAGAACATGGAGGTGGATGTGCGGGCAATGAAAAGAGCCATCTCCAGGAACACA
 GCCATGCTGGTCTGTTCTGCCCCACAGTTTCTCATGGTGTGATAGATCCTATCCCCGAAGTGGCCAAGC
 TGGCTGTCAAATATAAAATCCCATTCCATGTGGATGCTTGTCTTGGGGGCTTCTCATTTGCTTTCATGGA
 GAAAGCAGGGTACCCACTGGAGAAACATTTGATTTCCGGGTGAAAGGTGTGACCAGCATTTCAGCAGAT
 ACTCATAAGTACGGCTATGCTCCCAAAGTTCATCAGTGGTGTACTCTAACGAGAAGTACAGGAAGT
 ACCAGTTCTTTGTTGATGCAGATTGGCAAGGTGGCATCTACGCATCTCCAAGCATAGCTGGCTCACGGCC
 TGGTGGCATCATTGCAGCCTGTTGGGCCCTTGATGCACCTTTGGTGAGAACGGCTATGTTGAAGCTACC
 AAACAGATCATCAAACTGCTCGCTTCTCAAGTCAGAACTGGAAAACATCAAAAACATCTTCATTTTGG
 GGGATCCTCAATTGTCAGTTATTGCTCTGGGCTCCAACGATTTTGACATCTACCGACTATCTAATATGAT
 GTCTGCTAAGGGGTGGAATTTAACTACTTGCAGTTCCCAAGAAGCATTTCATTTCTGCATTACGTTAGTA
 CATACTCGGAAGCGAGTGGCAATCCAGTTCCTAAAGGATATCCGGGAATCGGTACACAAATCATGAAGA
 ATCCTAAAGCTAAGACCACAGGAATGGGTGCCATCTATGGCATGGCCAGGCAACCATTGACAGGAAGAT
 GGTTCAGAAAATATCCTCCGTCTTCTTGGACAGCCTTTATAGTACAGACCCTGTGACTCAGGTAACCG
 ATGAACGGTTCTCCAAGCCCCG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1883_d07.zip

Restriction Sites: Sgfl-RsrII

ACCN: NM_173116

Insert Size: 1707 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_173116.1](#), [NP_775139.1](#)

RefSeq Size: 2033 bp

RefSeq ORF: 1707 bp

Locus ID: 286896

UniProt ID: [Q8CHN6](#)

Cytogenetics: 20q11

Gene Summary: catalyzes the conversion of phosphorylated long chain bases into ethanolamine phosphate and a fatty aldehyde in sphingolipid catabolism [RGD, Feb 2006]