

Product datasheet for **SC317952**

PGS1 (NM_024419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGS1 (NM_024419) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317952 representing NM_024419.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGTGGCGGCCGAGCTGCGGCGGGACCCGTGTTCTGGAGGCGACTGCTGGGCTCCTGCCTGGC
CGCCAGGGCTGGCCCGCTCCTGGGACGCTGTCCGACCGCCTCGGCAGGAACCGGACCGCCAGCGC
AGGAGGTACCATGGCTGTTATTGGCTCCCTTGCTGTCCCGAGCTGTCCCGAGGTCACCTCCCGACT
TGCTGCCTGTGTCCAGAAGCGTGCACCGTTCAGTGGATCAGAAACCTGGTTCAGAAATTTGGAGTC
TCCAGTCTCACGTTAGGGTGTCTTCTCCCGCAGAGTTTTTCGAGCTCATGAAGGGGCAGATAAGA
GTAGCCAAGAGGCGGGTCTGTATGGCATCCCTCTACCTGGGGACAGGTCCTTTGGAACAGGAGTGGTG
GACTGCCTGAAAAGTACTCTAGAAAAGTCACTCCAAGCAAAGTTTCTTCAAATCTCAAGGTCTCCATT
CTTTAGACTTCACGCGGGGCTCACGAGGCCGGAAGAAGTCCCGCACAATGCTGCTCCACTCCTGCGG
AGGTTCCAGAGCAGGTCGAGTCTCCCTTTTACACGCGCACCTCCGTGGGCTGCTTCGGCTCCTC
ATCCCTGAGCGTTCACAGAGACCATCGGCTCCAGCACATTAAGGTGTACCTCTTGACAAACAGCGTC
ATCTTGAGCGGTGCAAACCTGAGTGACTCTACTTCACCAACCGCCAGGACCGCTACGTGTTCTGCAG
GACTGTGCGGAGATTGCCGACTTCTTACGAGGCTGGTGGACGCGGTGGGGGATGTGTCCCTGCAGCTG
CAGGGGGACGACCGGTGCAGGTGGTGGATGGGATGGTGCATCCTTACAAGGGGACCGGGCCGAGTAC
TGCAAGGCAGCCAATAAGAGGGTATGGATGTGATCAACTCAGCCAGGACCGCCAGCAGATGCTGCAT
GCCAGACCTTCCACAGCAACTCTTTTGACCCAGGAAGATGCAGCAGCTGCTGGGGATCGCAGACCA
GCCCTGACACCTGGATTTATCCGCTGATTCAGATGAAGCCCTTCGAGATTCAAATCGATGAGATTGTC
ACTGAGACCCTGTTGACTGAGGCGGAGCGGGGCAAAGGTCTACCTCACCCTGGCTATTTCAACCTG
ACCCAGGCTACATGGACTGGTCTTGGCACTGGGCTGAGTACCAGATCCTGCTGGCCTCACCAGAG
GTGAATGGCTTCTTTGGGGCCAAGGGGGTGGCCCGGCCATCCCGAGCGCCTATGTGCACATCGAGCGA
CAGTTCTCAGTGAAGTGTGCAGCCTGGGACAGCAGGAGCGGGTCCAGTTCAGGAGTACTGGCGGAGG
GGCTGGACGTTCCAGCCAAAGGCTCTGGCTGTACCTGGCAGGGAGCAGCCTGCCTGTCTCACGCTG
ATTGGCTCTCCTAATTTTGGGTACAGGTCAGTTACCGGGACCTGGAGGCCAGATTGCGATCGTGACG
GAGAACCAGGCCCTGCAGCAGCAGTTCACCAGGAGCAAGAGCAGCTCTACCTGAGGTGAGGTGGTG
TCCTCTGCCACCTTCGAGCAGCCGAGTCCGAGGTGAAGCTGTGGGTGAAGATGGTGACTCCACTGATC
AAGAACTTCTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024419
- Insert Size:** 1671 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).
- 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:

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_024419.4](#)

RefSeq Size: 2343 bp

RefSeq ORF: 1671 bp

Locus ID: 9489

UniProt ID: [Q32NB8](#)

Cytogenetics: 17q25.3

Domains: PLDc

Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

MW: 62.7 kDa

Gene Summary: Functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein.