

Product datasheet for **RG211119**

PGS1 (NM_024419) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGS1 (NM_024419) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PGS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG211119 representing NM_024419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGGCGCGGCAGCTGCGGCGGGACCCGTGTTCTGGAGGCGACTGCTGGGCTCCTGCCTGGCC
 GCCAGGGCTGGCGCGCTCCTGGGACGCTGTCCGACCGCTCGGCAGGAACCGGGACCGCCAGCGCAG
 GAGGTCACCATGGCTGTTATTGGCTCCCTTGTGTCCCCAGCTGTTCCCCAGGTACCTCCCCACCTTGC
 TGCCTGTGTCCAGAAGCGTGCACCGGTTCCAGTGGATCAGAAACCTGGTTCAGAAATTTGGAGTCTCCA
 GTTCTCACGTTAGGGTGTCTTCTCCCCGCGAGAGTTTTTCGAGCTCATGAAGGGGCAGATAAGAGTAGC
 CAAGAGGCGGGTCTGATGGCATCCCTCTACCTGGGGACAGGTCCTTTGGAACAGGAGCTGGTGGACTGC
 CTGGAAAGTACTTAGAAAAGTCACTCCAAGCAAAGTTTCCTTCAAATCTCAAGGTCTCCATTCTCTTAG
 ACTTCACGCGGGCTCACGAGGCCGGAAGAACTCCCGCACAATGCTGCTCCACTCCTGCGGAGGTTCCC
 AGAGCAGGTCGAGTCTCCCTCTTTCACACGCCGACCTCCGTGGGCTGCTTCGGCTCCTCATCCCTGAG
 CGCTTCAACGAGACCATCGGCCTCCAGCACATTAAAGGTGTACCTCTTCGACAACAGCGTCATCTTGAGCG
 GTGCAAACCTGAGTGACTCCTACTTACCAACCGCCAGGACCGCTACGTGTTCTGCAGGACTGTGCGGA
 GATTGCCGACTTCTTACGGAGCTGGTGGACGCGGTGGGGATGTGTCCCTGCAGCTGCAGGGGGACGAC
 ACGGTGCAGGTGGTGGATGGGATGGTGCATCCTTACAAAGGGGACCGGGCCGAGTACTGCAAGGCAGCCA
 ATAAGAGGGTTCATGGATGTGATCAACTCAGCCAGGACCGCCAGCAGATGCTGCATGCCAGACCTTCCA
 CAGCAACTCTCTTTGACCCAGGAAGATGCAGCAGCTGCTGGGGATCGCAGACCAGCCCTGACACCTGG
 ATTTATCCGCTGATTAGATGAAGCCCTTCGAGATTCAAATCGATGAGATTGTCACTGAGACCCTGTTGA
 CTGAGGCGGAGCGCGGGCAAAGGTCTACCTCACCCTGGCTATTTCAACCTGACCCAGGCTACATGGA
 CCTGGTCTTGGGCACTCGGGCTGAGTACCAGATCCTGCTGGCCTACCAGAGGTGAATGGCTTCTTTGGG
 GCCAAGGGGGTGGCCGGCGCCATCCCAGCGCCTATGTGCACATCGAGGACAGTTCTTCACTGAGGTGT
 GCAGCCTGGGACAGCAGGAGCGGGTCCAGCTTCCAGGAGTACTGGCGGAGGGGCTGGACGTTCCACGCCAA
 AGGCCTCTGGCTGTACCTGGCAGGGAGCAGCCTGCCCTGTCTCACGCTGATTGGCTCTCCTAATTTGGG
 TACAGGTCAGTTCACCGGACCTGGAGGCCAGATTGCGATCGTGACGGAGAACCAGGCCCTGCAGCAGC
 AGCTTACCAGGAGCAAGAGCAGCTCTACCTGAGGTGAGGTGGTGTCTCTGCCACCTTCGAGCAGCC
 GAGTCGCCAGGTGAAGCTGTGGGTGAAGATGGTACTCCACTGATCAAGAACTTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211119 representing NM_024419
 Red=Cloning site Green=Tags(s)

MAVAAAAAGPVFWRLLGLLPGRPLAALLGRLSDRLGRNRDRQRRRSPWLLAPLLSPAVPQVTSPPC
 CLCPEGVHRFQWIRNLVPEFGVSSSHVRVLSSPAIEFFELMKGQIRVAKRRVVMASLYLGTGPLEQELVDC
 LESTLEKSLQAKFPSNLKVSILLDFTRGSRGRKNSRTMLLPLLRFPQVRVSLFHTPHLRGLLRLLIPE
 RFNETIGLQHIKIVYLFDNSVILSGANLSDSYFTNRQDRYVFLQDCAEIAEFFTELVDVAVGVDVSLQLQGDD
 TVQVVDGMVHPYKGDRAEYCKAANKRVMDVINSARTRQQLHAQTFHNSLLTQEDAAAAGDRRPAPDTW
 IYPLIQMKPFEIQIDEIVTETLLTEAERGAKVYLTGTFNLQAYMDLVLGTRAEYQILLASPEVNGFFG
 AKGVAGAI PAAYVHIERQFFSEVCSLGGQERVQLQEYWRGWFHAKGLWL YLAGSSLPCLTLIGSPNFG
 YRSVHRDLEAQIAIVTENQALQQQLHQEQQLYLRSGVVSSATFEQPSRQVQLWVKMVTPLIKNFF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_024419

ORF Size: 1668 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_024419.5](#)

RefSeq Size: 2206 bp

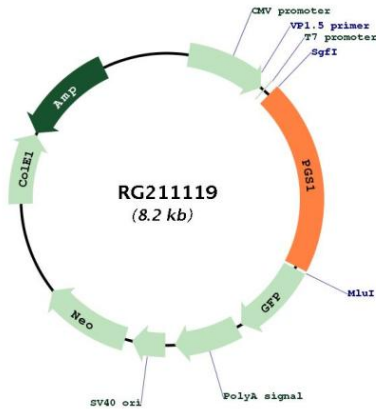
RefSeq ORF: 1671 bp

Locus ID: 9489

UniProt ID: [Q32NB8](#)

Cytogenetics: 17q25.3
Domains: PLDc
Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways
Gene Summary: Functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211119