

## Product datasheet for **RG229718**

### **PLSCR4 (NM\_001177304) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PLSCR4 (NM\_001177304) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PLSCR4  
**Synonyms:** TRA1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229718 representing NM\_001177304  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAAATCAAACAAAACCACCAGATCCAAGGCCTGATGCTCCTCCTGAATACAATTCTCATTTTTTAC  
CAGGACCCCTGGAACAGCTGTCCCTCCACCTACTGGCTACCCAGGAGGCTTGCCTATGGGATACTACAG  
TCCACAGCAACCCAGTACCTTCCCTTTGTACCAGCCAGTTGGTGGTATCCATCCTGTCCGGTATCAGCCT  
GGCAAATATCCTATGCCAAATCAGTCTGTTCCAATAACATGGATGCCAGGCCAACTCCTATGGCAAAT  
GCCCTCCTGGTCTGGAATACTTAGTTAGCTGGAGGTGCAGTGTCTCCTGGTGTACCATTGGCTTTGT  
TGCGGAACATTGGAACCTGTGCAGGGCGGTGTACAGCATCCAAAATGAGAAGAAAAGAAAATGTGATGAGA  
GTTTCGTGGCCATGCTCAACCTATGGCTGTGGTTCAGATTCTGTTTTGAGGTCAAATCCCTTGATGGCA  
TATCCAACATCGGCAGTATTATCCGGAAGTGAATGGTTTGTATCAGCAATGGCAGATGCTGACCATTT  
TGACATTCACCTCCCACTAGACCTGGATGTGAAGATGAAAGCCATGATTTTTGGAGCTTGCTTCCTCATT  
GACTTCATGTATTTTGAAGATCTCCACCACAACGTTCAAGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG229718 representing NM\_001177304  
Red=Cloning site Green=Tags(s)

MENQTKPPDPRPDAPPEYNHFLPGPPGTAVPPPTGYPGGLPMGYYSPPQPSTFPLYQPVGGIHPVRYQP  
 GKYPMPNQSVPI TWMPGPTPMANCPPGLEYL VQLEVCPPGVTIGFVAEHWNL CRAVYSIQNEKKENVMR  
 VRGPCSTYGCSDSVFEVKSLDGISNIGSIIRKWNGLLSAMADADHFDIHFPLDLVDVMMKAMIFGACFLI  
 DFMYFERSPPQRSR

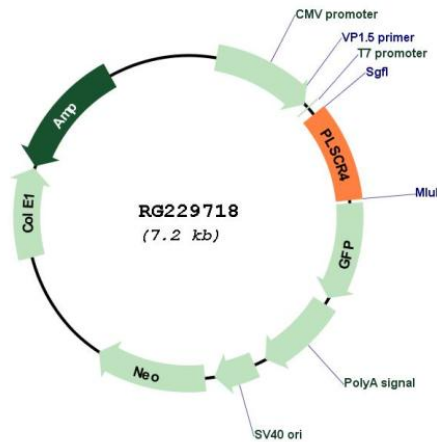
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001177304

**ORF Size:** 672 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001177304.2</a>
<b>RefSeq Size:</b>	3014 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	57088
<b>UniProt ID:</b>	<a href="#">Q9NRQ2</a>
<b>Cytogenetics:</b>	3q24
<b>Gene Summary:</b>	May mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions that results in a loss of phospholipid asymmetry in the plasma membrane. May play a central role in the initiation of fibrin clot formation, in the activation of mast cells and in the recognition of apoptotic and injured cells by the reticuloendothelial system.[UniProtKB/Swiss-Prot Function]