

## Product datasheet for **RG225476**

### PLSCR4 (NM\_001128305) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLSCR4 (NM_001128305) 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:	>RG225476 representing NM_001128305 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGGTGTGGTACCCACAGCCCTGAACAGCCTGCAGGTGAAATGGAAAATCAAACAAAACCACCAG  
ATCCAAGGCTGATGCTCCTCCTGAATACAATTCTCATTTTTACCAGGACCCCTGGAACAGCTGTCCC  
TCCACCTACTGGTACCCAGGAGGCTTGCCTATGGGATACTACAGTCCACAGCAACCCAGTACCTCCCT  
TTGTACCAGCCAGTTGGTGGTATCCATCCTGTCCGGTATCAGCCTGGCAAATATCCTATGCCAAATCAGT  
CTGTTCCAATAACATGGATGCCAGGGCCAACTCCTATGGCAAATGCCCTCCTGGTCTGGAATACTTAGT  
TCAGTTGGACAACATACATGTTCTTCAGCATTTTGGCCCTCTGGAAATGATGACATGTTTTGAAACTAAT  
AATAGATATGATATTAACAACTCAGACCAGATGGTTTACATTGTAACCGAAGACACAGATGACTTTA  
CCAGGAATGCCTATCGGACACTAAGGCCCTTCGTCTCCGGGTCAGTATTGATGGGCCGAGAAATCAT  
GACAATGCAGAGACCCCTCAGATGCACCTGCTGTTGCTTCTGTTGCCCTCTGCCAGACAAGAGCTGGAG  
GTGCAGTGTCTCCTGGTGTACCATTTGGCTTTGTTGCGGAACATTGGAACCTGTGCAGGGCGGTGTACA  
GCATCCAAAATGAGAAGAAAGAAAATGTGATGAGAGTTTCGTGGCCATGCTCAACCTATGGCTGTGGTTC  
AGATTCTGTTTTGAGGTCAAATCCCTTGATGGCATATCCAACATCGGCAGTATTATCCGGAAGTGAAT  
GGTTTGTATCAGCAATGGCAGATGCTGACCATTTTACATTCACTTCCCACTAGACCTGGATGTGAAGA  
TGAAAGCCATGATTTTTGGAGCTTGCTTCTCATTGACTTCATGTATTTTGAAGATCTCCACCACAACG  
TTCAAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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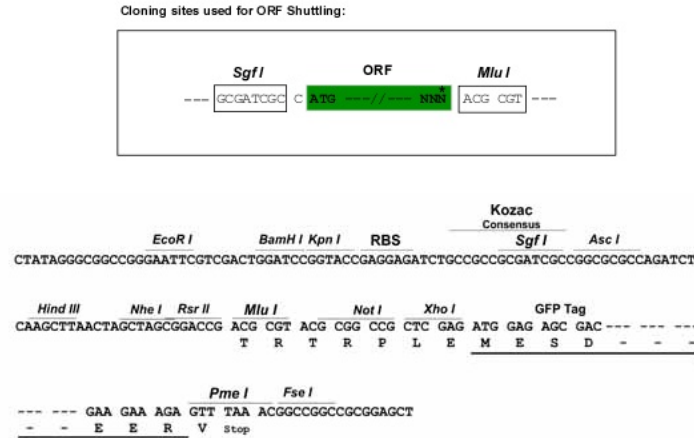
**Protein Sequence:** >RG225476 representing NM\_001128305  
Red=Cloning site Green=Tags(s)

MSGVVPTAPEQPAGEMENQTKPPDPRPDAPPEYNSHFLPGPPGTAVPPPTGYPGGLPMGYSPQPSTFP  
 LYQPVGGIHPVRYQPGKYMPNQSVPIWMPGTPMANCPPGLEYLVLQDNIHVLQHFEPLMMTCFETN  
 NRYDIKNNSDQMVYIVTEDTDDFTRNAYRTLRFVLRVTD CMGREIMTMQRPFRCCTCCFCPPSARQELE  
 VQCPPGVTIGFVAEHWNL CRAVYSIQNEKKENVMRVRGPCSTYGGSDSVFEVKSLDGISNIGSIIIRKWN  
 GLLSAMADADHFDIHFPLDL DVKMKAMIFGACFLIDFMYFERSPPQSR

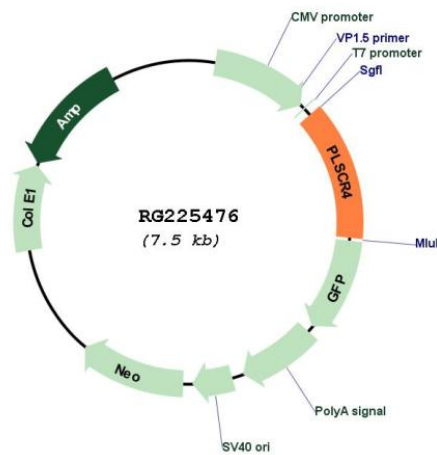
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001128305

**ORF Size:** 987 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_001128305.2</a>
<b>RefSeq Size:</b>	3400 bp
<b>RefSeq ORF:</b>	990 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]