

Product datasheet for **RG205184**

PLSCR4 (NM_020353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLSCR4 (NM_020353) 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:	>RG205184 representing NM_020353 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGGTGTGGTACCCACAGCCCTGAACAGCCTGCAGGTGAAATGGAAAATCAAACAAAACCACCAG
ATCCAAGGCTGATGCTCCTCTGAATACAATTCTCATTTTTACCAGGACCCCTGGAACAGCTGTCCC
TCCACCTACTGGCTACCCAGGAGGCTTGCTATGGGATACTACAGTCCACAGCAACCCAGTACCTTCCT
TTGTACCAGCCAGTTGGTGGTATCCATCCTGTCCGGTATCAGCCTGGCAAATATCCTATGCCAAATCAGT
CTGTTCCAATAACATGGATGCCAGGGCCAACTCCTATGGCAAATGCCCTCCTGGTCTGGAATACTTAGT
TCAGTTGGACAACATACATGTTCTTCAGCATTTTGAGCCTCTGGAAATGATGACATGTTTTGAAACTAAT
AATAGATATGATATTAACAACTCAGACCAGATGGTTTACATTGTAACCGAAGACACAGATGACTTTA
CCAGGAATGCCTATCGGACACTAAGGCCCTTCGTCCTCCGGGTCACTGATTGTATGGGCCGAGAAATCAT
GACAATGCAGAGACCCCTTCAGATGCACCTGCTGTTGCTTCTGTTGCCCTCTGCCAGACAAGAGCTGGAG
GTGCAGTGTCTCCTGGTGTACCATTTGGCTTTGTTGCGGAACATTGGAACCTGTGCAGGGCGGTGTACA
GCATCCAAATGAGAAGAAAGAAATGTGATGAGAGTTTCGTGGGCCATGCTCAACCTATGGCTGTGGTTC
AGATTCTGTTTTGAGGTCAAATCCCTTGATGGCATATCCAACATCGGCAGTATTATCCGGAAGTGAAT
GGTTTGTATCAGCAATGGCAGATGCTGACCATTTGACATTCCTCCACTAGACCTGGATGTGAAGA
TGAAAGCCATGATTTTTGGAGCTTGCTTCTCATTGACATTCATGATTTTGAAAGATCTCCACCACAACG
TTCAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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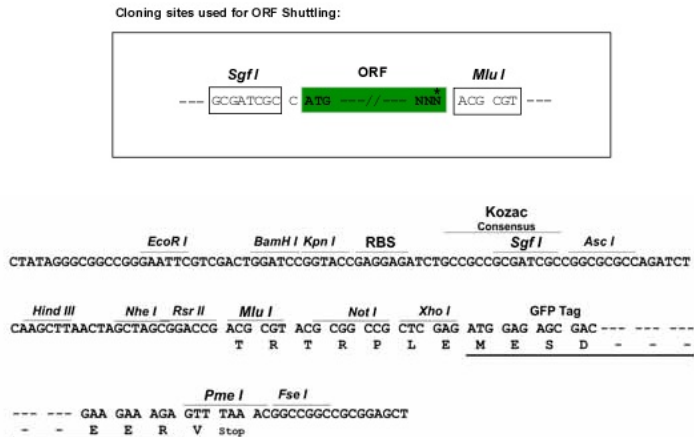
Protein Sequence: >RG205184 representing NM_020353
 Red=Cloning site Green=Tags(s)

MSGVVPTAPEQPAGEMENQTKPPDPRPDAPPEYNHFLPGPPGTAVPPPTGYPGGLPMGYSPQQPSTFP
 LYQPVGGIHPVRYQPGKYPMNPQSVPIWMPGPTPMANCPPGLEYLVLQDNIHVLQHFEPLEMMTCFETN
 NRYDIKNSDQMVYIVTEDTDDFTRNAYRTLRFVLRVTDGCMGREIMTMQRPFRCTCCCFCCPSARQELE
 VQCPPGVITIGFVAEHWNLCAVYSIQNEKKENVMRVGPSTYGCSDSVFEVKSLDGISNIGSIIRKWN
 GLLSAMADADHFDIHFPLDLVKMKAMIFGACFLIDFMYFERSPPQSR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020353

ORF Size: 987 bp

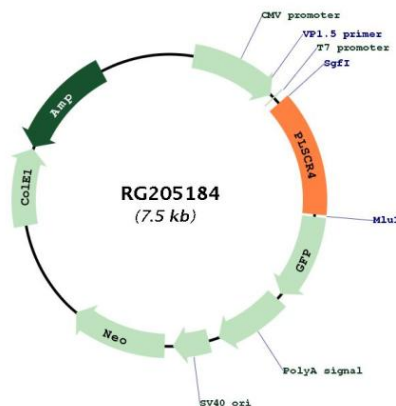
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_020353.3</u>
RefSeq Size:	3206 bp
RefSeq ORF:	990 bp
Locus ID:	57088
UniProt ID:	<u>Q9NRQ2</u>
Cytogenetics:	3q24
Domains:	Scramblase
Gene Summary:	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]

Product images:



Circular map for RG205184