

Product datasheet for **SC328356**

PLSCR4 (NM_001177304) Human Untagged Clone

Product data:

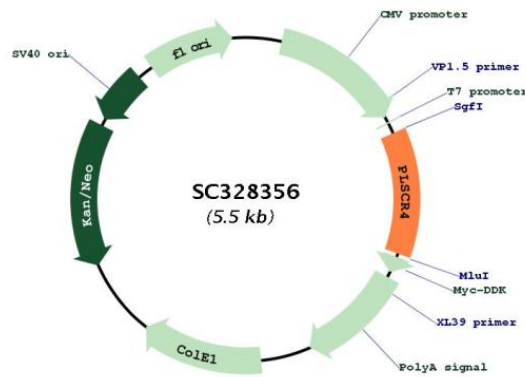
Product Type:	Expression Plasmids
Product Name:	PLSCR4 (NM_001177304) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLSCR4
Synonyms:	TRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328356 representing NM_001177304. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAAATCAAACAAAACCACCAGATCCAAGGCCTGATGCTCCTCCTGAATACAATTCTCATTTTTTA
CCAGGACCCCTGGAACAGCTGTCCCTCCACCTACTGGCTACCCAGGAGGCTTGCCTATGGGATACTAC
AGTCCACAGCAACCCAGTACCTTCCTTTGTACCAGCCAGTTGGTGGTATCCATCCTGTCCGGTATCAG
CCTGGCAAATATCCTATGCCAAATCAGTCTGTTCCAATAACATGGATGCCAGGGCCAACCTCTATGGCA
AACTGCCCTCCTGGTCTGGAATACTTAGTTCAGCTGGAGGTGCAGTGCCTCCTGGTGTCCACATTGGC
TTTGTTCGGAACATTGGAACCTGTGCAGGGCGGTGTACAGCATCCAAAATGAGAAGAAAGAAAATGTG
ATGAGAGTTCGTGGCCATGCTCAACCTATGGCTGTGGTTCAGATTCTGTTTTTGAGGTCAAATCCCTT
GATGGCATATCCAACATCGGCAGTATTATCCGGAAGTGAATGGTTTGTATCAGCAATGGCAGATGCT
GACCATTTTGACATTCACCTCCACTAGACCTGGATGTGAAGATGAAAGCCATGATTTTTGGAGCTTGC
TTCTCATTGACTTCATGATTTTGAAGATCTCCACCACAACGTTCAAGATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001177304

Insert Size: 675 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_001177304.1](#)

RefSeq Size: 3014 bp

RefSeq ORF: 675 bp

Locus ID: 57088

UniProt ID: [Q9NRQ2](#)

Cytogenetics: 3q24

MW: 24.8 kDa

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]
Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, uses a downstream start codon, and lacks two alternate exons resulting in the loss of an in-frame segment in the central coding region, compared to variant 1. The resulting isoform (c) is shorter than isoform a.