

Product datasheet for **SC113138**

PLSCR3 (NM_020360) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLSCR3 (NM_020360) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLSCR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020360, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAGGCTACTTGCCCCCAAAGGCTACGCCCTTCGCCCCACCTCCCTACCCTGTCACCCCTGGGT  
ACCCGGAGCCGGCGCTACATCCTGGGCCCGGGCAGGCGCCAGTGCCCGCCAGGTACCTGCCAGCTCC  
CGGCTTCGCCCTCTCCCTCGCCTGGCCCCGTGGCCTTGGGTCTGCTGCCCTTCTTGCCACTGCCA  
GGGTGCCTTCTGGCCTCGAATTCCTGGTGCAGATTGATCAGATTTTGATCACCAGAAGGCTGAGCGAG  
TGGAAACGTTCTAGGCTGGGAGACCTGTAATCGGTATGAACTGCGCTCTGGGGCCGGGCAGCCCTGGG  
TCAGGCGGCCGAGGAGAGCAACTGCTGCGCCCGTCTGTGCTGTGGCGCCCGCCGGCCGCTGCGTGTCCGC  
CTGGCCGACCCCGGGGACCGTGAGGTGCTGCGTTTGTCCCGCCGCTGCACTGTGGCTGCAGTGTGCTGCC  
CCTGTGGCCTCCAGGAGATGGAAGTACAGGCTCCACCAGGACACCATTGGCCACGTGCTACAGACCTG  
GCATCCCTTCTCCCAAGTTCTCCATCCAGGATGCCGATCGCCAGACAGTCTTGCAGTGGTGGGGCCC  
TGCTGGACCTGTGGCTGTGGCACAGACCAACTTTGAGGTGAAGACTCGGGATGAATCCCGCAGTGTGG  
GCCGCATCAGCAAGCAGTGGGGGGCCTGGTCCGAGAAGCCCTCACAGATGCAGATGACTTTGGCCTACA  
GTTCCCGCTGGACCTGGATGTGAGGGTGAAGGCTGTGCTGCTGGGAGCCACATTCCTCATTGACTACATG  
TTCTTTGAGAAGCGAGGAGGCGCTGGGCCCTCTGCCGTACCAGTTAG
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020360 unedited
 GGGGTCGCAATTGTATACGACTCACTATAGGGCGGCCGCAATCGGCACGAGGGTGCTAG
 GCACCCGGGCTCTTCTGGGGGCTCCAGAATAAGCCACCCAGACACCATCATCTCGAAAA
 CCCCAGCCCTTCTCCATGGCAGGTAAGTGCAGCAAGTCTGGGGTCTCCGTTATCCCC
 CCCACGGACTTGGGAGCCGGGTTTGAACACATCCTCCCGAATGTGCTCGGACTGGCTGG
 GTGGGGCCCTCCCTTCTTCCGGGAACCTCCACCCTGCTCCCTGCCCCATCTTTCTC
 TGCCCTTGCCACCACGTTTCCCCCGAAGCCTCGCGGCCATGGGCTGAGGAATAAGGGG
 ATGAGGCCTTGAGTCCCTTTCTAATCTATCCTGCTCCACCGCTTACAGGCTACTTGCC
 CCCCAAAGGCTACGCCCTTTCGCCCCACCTCCCTACCCTGTACCCCTGGGTACCCGGA
 GCCGGCGTACATCCTGGGCCGGGCAGGCGCCAGTGCCCGCCAGGTACCTGCCCCAGC
 TCCCGGCTTGCCTCTTCCCCTGCCTGGCCCGTGGCCTTGGGGTCTGCTGCCCCCTT
 CTTGCCACTGCCAGGGTGCCTTCTGGCCTCGAATTCCTGGTGCAGATTGATCAGATTTT
 GATTACCAGAAAGCTGAGCGAGTGAAAGTAAGTAAAAGGAGTGGGAGTTGGACCTCA
 TGATGGTGGCCCGATGGTGGGCTCCTGNGCGCGAAGCTCTACGAGTCTCCCGTGTG
 ACCNTCGGCAGCCGTTCTAAGCTGGGAGACCTGTTATCGGTATGAACTGCCTCTGGGGC
 CGGCAGCCCTGGGTCAAGCGGCCGAAGAGACAACCTGCTGCGCCGCTGTGTGTGG
 CGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020360 unedited
 GGCTTCTGNACCCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTTGTCCAAA
 AGTTACAAAGTTTATATGAATGTAAACATATAAAGATGCAGCCTTTTTCTAGGGCAAGGG
 AAGGAAGGGCAGTTACATAAGGCACAGGAATCGCAGCAAGCAGCTGAAGGCAGGGCC
 CTAGTGGGAGAGGAAGTTGGCACTGGGGTCCCCCTGCAGCTGTTGATGGGAGGTAGAGA
 CCCCCTCAAAGTGCCATGGTCTGAGGCTGAACTAATTGGCCAAGCAGATGCTAGGCAGGC
 CGGGGGGGCGGTGGCTATATCCACCGTCTTGGTGCAGCTTGCCCTTCCACCCGAGC
 CCTCTTGTAAAACCCAGAGTCTGGGTTCCAGAGGCCTCCTTTGGAGCAGAGGCCNCTG
 GAAGGGGTGGGAGAGAGTGCATGGGAAAGTGTGAAAGCTGATATGCCTGTGTGCCGAG
 GGACTGCTGGGACAGTGGTGGGAGGTANCANGAGAGCGGCTCTCATACATACCCCTCCTT
 GGGAAACCAGGGGCAGGCGGCCANGGAGTANGGTNNGGGATGGGGGCCCCCTTCTGTC
 CCCTGCAGTGTACATGGAGGAAAGGGGCTGCCANAGGAGGGGCCAGGGCANGTGACCAT
 CTGGAGTCTGGGTCNAGTGATGGTCTCCTCACACAATGGTGGNCTCTACTGGTGACGG
 CAGAGGGCCANCCTNCTCGCTTCTCAAAGACATGTAGTCATGAGGAATGTGGGTCCC
 ACAGACAGGCTTTACCTTACATTAGGTCCACGGGACTGTAGGCAAAGCATCTGCTTTGG
 TGAGGCTTTTTGGGACAAGCCCCCACTGTTTGTGTGCCGCCAATGGGGGATATCCCC
 GGCTACCTAAAAGGGGGGCTGA

Restriction Sites:

NotI-NotI

ACCN:

NM_020360

Insert Size:

2260 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).

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_020360.2](#), [NP_065093.2](#)

RefSeq Size: 1746 bp

RefSeq ORF: 888 bp

Locus ID: 57048

UniProt ID: [Q9NRY6](#)

Cytogenetics: 17p13.1

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. Seems to play a role in apoptosis, through translocation of cardiolipin from the inner to the outer mitochondrial membrane which promotes BID recruitment and enhances tBid-induced mitochondrial damages.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.