

## Product datasheet for RR212977

### Plscr3 (NM\_001012139) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Plscr3 (NM\_001012139) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Plscr3  
 Synonyms: Pls3  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR212977 representing NM\_001012139  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCAGGCTACTGCCCCAAAGTTATGCCCTTCGCCCCACCTCCCTACCCCGTGCCAGCTGGGT  
 ATCCAGAGGCGGGCGCTGCATCCTGGACCCGGACAGGCTCCAGTGCCACCCAGGGCCCTGCCCTGC  
 GCCTGGCTTCTCTCTTCCCCTCGCCAGGCCGGTGGTCCCAGGGCCTCCTGGTCCCTCGTGCCATTG  
 CCAGGGGTGCCTTCTGGCCTGGAATTCCTAGTGCAGATTGATCAAATCTTGATTCATCAGAAGGCTGAGC  
 GAGTGGAAACGTTCTTAGGCTGGGAGACCTGTAATAGGTATGAACTTCGCTCCGGGACCGGACAGCAACT  
 GGGTCAGGCAGCTGAGGAGAGCAACTGCTGTGCCCGGCTGTGCTGTGGTGCCTCCGGCCGGCCGCTTCGTATC  
 CGCCTAGCGGACCCCGGGACCGCGAGGTGCTCCGCCTCCTCCGCCACTTCACTGCGGCTGCAGCTGCT  
 GTCCTTGTTGCTTTCAGGAGATGGAAGTCCAGGCCACCTGGCACCACCATTGGCCATGTGCTACAGAC  
 CTGGCACCCCTTCAATCCCAAGTTTTCCATCCTGGATGCAGATCGCCAACCTGTTCTACGAGTCGTAGGG  
 CTTGCTGCACTGTGGCTGTGGGACGGACCAACTTTGAGGTGAAGACAAAGGATGAATCTCGAAGTG  
 TGGGCCGCATCAGCAAGCAGTGGGAGGGCTGCTCCGAGAAGCCCTCACAGATGCGGATGACTTTGGCCT  
 CCAGTTCAGTAGATCTAGATGTGAGAGTGAAGGCGGTGCTGCTGGGAGCCACGTTCTCATTGATTAT  
 ATGTTCTTCGAGAAGCGAGGAGGTGCTGGACCCTCGCCATCACCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212977 representing NM\_001012139  
 Red=Cloning site Green=Tags(s)

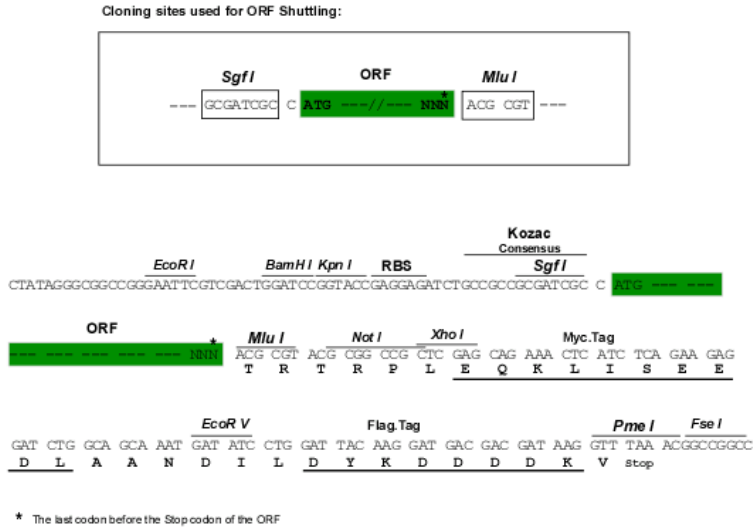
MAGYLPPKGYAPSPPPYPVPAGYPEAAALHPGPGQAPVPTQGPAPAPGFSLFPSPGPVVPGPPGPFVPL  
 PGVPSGLEFLVQIDQILIHQKAERVETFLGWETCNRYELRSGTGQQLGQAAEESNCCARLCCGARRPLRI  
 RLADPGDREVLRLRLPLHCGSCCCGLQEMEVQAPPGTIGHVLQTHWPFIPKFSILDADRQPVLRVVG  
 PCCTCGCGTDTNFEVKTKDESRSVGRISKQWGLLREALTDADDFGLQFPVDLDRVVKAVLLGATFLIDY  
 MFFEKRGGAGPSAITS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

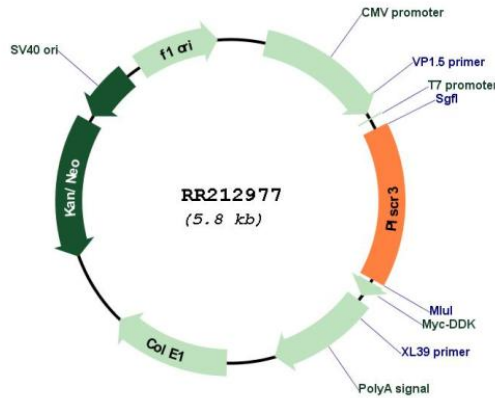
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001012139

ORF Size: 888 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_001012139.2</a> , <a href="#">NP_001012139.1</a>
<b>RefSeq Size:</b>	1781 bp
<b>RefSeq ORF:</b>	891 bp
<b>Locus ID:</b>	360549
<b>UniProt ID:</b>	<a href="#">Q6QBQ4</a>
<b>Cytogenetics:</b>	10q24
<b>MW:</b>	31.6 kDa
<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. 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 (By similarity). [UniProtKB/Swiss-Prot Function]