

## Product datasheet for MR216366

### Plscr3 (NM\_001168497) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Plscr3 (NM\_001168497) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Plscr3  
**Synonyms:** 2210403O21Rik; 2610037N06Rik; ESTM3; X83310  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR216366 representing NM\_001168497  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGGCTACTTGCCCCAAAGGCTATGCCCTTCACCCCCACCTCCCTACCCCGTGCCATCTGGGT  
 ATCCAGAGCCGGTGGCTCTGCATCCTGGACCGGACAAGCTCCAGTGCCACCCAGGTGCCTGCCCTGC  
 TCCCGGCTTCGCTCTCTCCCTCGCCAGGCCAGTGGCTCCAGGGCCTCCTGCTCTTTCGTGCCATTG  
 CCAGGGGTGCCTCCTGGCCTCGAATTCCTAGTGCAGATTGATCAAATCTTGATTCATCAGAAGGCTGAAC  
 GAGTGGAACGTTCTTAGGCTGGGAGACCTGTAATATGTATGAACTTCGCTCCGGAACCGGACAGCAACT  
 GGGTCAGGCAGCTGAAGAGAGCAACTGTTGTGCCCGCCTGTGCTGTGGTGCCCGCCGACATTTCGAATC  
 CGCTAGCGGACCTGGGACCGCGAGGTGCTCCGGCTCCTCCGCCACTTCATTGTGGTGCAGCTGCT  
 GCCCTGTGGTCTTCAGGAGATGGAAGTCCAGGCTCCACCTGGCACCACCATTGGCCATGTGCTACAGAC  
 CTGGCATCCCTTCCTTCCCTAAGTTTTCCATCCTGGATGCTGATCGCCAACCTGTTCTACGAGTTGTAGGG  
 CTTGTGGACTGTGGCTGTGGTACAGACACCAACTTTGAGGTGAAGACTAAGGATGAATCGCGAAGTG  
 TGGGCCGATCAGCAAGCAGTGGGAGGGCTGCTCCGAGAAGCCCTCACAGATGCCGATGACTTTGGCCT  
 CCAATTCAGTCGATCTAGATGTGAAAGTGAAGGCCGCTACTGCTGGGAGCCACGTTCTCATCGATTAT  
 ATGTTCTCGAGAAGAGAGGAGGCGCAGGACCCCTGCCATCACCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216366 representing NM\_001168497  
Red=Cloning site Green=Tags(s)

MAGYLPPKGYAPSPPPYPVPSGYPEPVALHPGPGQAPVPTQVPAPAPGFALFPSGPGVAPGPPAPFVPL  
 PGVPPGLEFLVQIDQILIHQKAERVETFLGWETCNMYELRSGTGQQLGQAAEESNCCARLCCGARRPFRI  
 RLADPGDREVLRLRLPLHCGCSCCPCGLQEMEVQAPPGTTIGHVLQTWHPFLPKFSILDADRQPVLRVVG  
 PCWTCGCGTDTNFEVKTKDESRVGRISKQWGLLREALTDADDFGLQFPVDLDVKVKAVLLGATFLIDY  
 MFFEKRGGAGPSAITS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9078\\_d04.zip](https://cdn.origene.com/chromatograms/mm9078_d04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001168497

**ORF Size:** 891 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.

**RefSeq:** [NM\\_001168497.1](#), [NP\\_001161969.1](#)

**RefSeq Size:** 2861 bp

**RefSeq ORF:** 891 bp

**Locus ID:** 70310

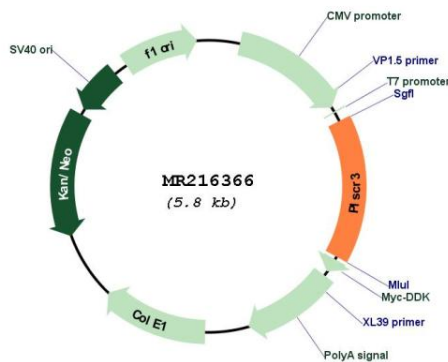
**UniProt ID:** [Q9JIZ9](#)

**Cytogenetics:** 11 42.9 cM

**MW:** 31.8 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. 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]

**Product images:**



Circular map for MR216366