

Product datasheet for **MG216366**

Plscr3 (NM_001168497) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plscr3 (NM_001168497) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Plscr3
Synonyms: 2210403O21Rik; 2610037N06Rik; ESTM3; X83310
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216366 representing NM_001168497
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGCTACTTGCCCCAAAGGCTATGCCCTTCACCCCCACCTCCCTACCCCGTGCCATCTGGGT
 ATCCAGAGCCGGTGGCTCTGCATCCTGGACCGGACAAGCTCCAGTGCCACCCAGGTGCCTGCCCTGC
 TCCCGGCTTCGCTCTCTCCCTCGCCAGGCCAGTGGCTCCAGGGCTCCTGCTCTTTCGTGCCATTG
 CCAGGGGTGCCTCCTGGCCTCGAATTCCTAGTGCAGATTGATCAAATCTTGATTCATCAGAAGGCTGAAC
 GAGTGGAACGTTCTTAGGCTGGGAGACCTGTAATATGTATGAACTTCGCTCCGGAACCGGACAGCAACT
 GGGTCAGGCAGCTGAAGAGAGCAACTGTTGTGCCCGCTGTGCTGTGGTGCCCGCCGACATTTCAATC
 CGCTAGCGGACCTGGGACCGCGAGGTGCTCCGGCTCCTCCGCCACTTCATTGTGGCTGCAGCTGCT
 GCCCTGTGGTCTTCAGGAGATGGAAGTCCAGGCTCCACCTGGCACCACCATTGGCCATGTGCTACAGAC
 CTGGCATCCCTTCCTTAAGTTTTCCATCCTGGATGCTGATCGCCAACCTGTTCTACGAGTTGTAGGG
 CTTGCTGGACTGTGGCTGTGGTACAGACACCAACTTTGAGGTGAAGACTAAGGATGAATCGCGAAGTG
 TGGGCCGATCAGCAAGCAGTGGGAGGGCTGCTCCGAGAAGCCCTCACAGACGCCGATGACTTTGGCCT
 CCAATTCAGTCGATCTAGATGTGAAAGTGAAGGCCGCTACTGCTGGGAGCCAGTTCCTCATCGATTAT
 ATGTTCTCGAGAAGAGAGGAGGCGCAGGACCCCTGCCATCACCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216366 representing NM_001168497
Red=Cloning site Green=Tags(s)

MAGYLPPKGYAPSPPPYPVPSGYPEPVALHPGPGQAPVPTQVPAPAPGFALFPSPGPVAPGPPAPFVPL
 PGVPPGLEFLVQIDQILIHQKAERVETFLGWETCNMYELRSGTGQQLGQAAEESNCCARLCCGARRPFRI
 RLADPGDREVLRLRLPLHCGCSCCPCGLQEMEVQAPP GTTIGHVLQTHWPFPLPKFSILDADRQPVLRVVG
 PCWTCGCGTDTNFEVKTKDESRVGRISKQWGGLLREALTDADDFGLQFPVDLDVKVKAVLLGATFLIDY
 MFFEKRGGAGPSAITS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168497

ORF Size: 888 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

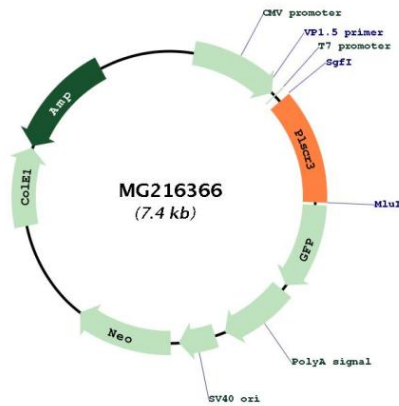
Locus ID: 70310

UniProt ID: [Q9JIZ9](#)

Cytogenetics: 11 42.9 cM

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 MG216366