

Product datasheet for **MG204098**

Plscr3 (NM_023564) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plscr3 (NM_023564) 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: >MG204098 representing NM_023564
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCAGGCTACTTGCCCCCAAAGGCTATGCCCTTCACCCCCACCTCCCTACCCCGTGCCATCTGGGT
ATCCAGAGCCGGTGGCTCTGCATCCTGGACCGGACAAGCTCCAGTGCCACCCAGGTGCCTGCCCTGC
TCCGGCTTCGCTCTCTCCCTCGCCAGGCCAGTGGCTCCAGGGCTCCTGCTCTTTCGTGCCATTG
CCAGGGGTGCCTCCTGGCTCGAATTCCTAGTGCAGATTGATCAAATCTTGATTCATCAGAAGGCTGAAC
GAGTGAAACGTTCTTAGGCTGGGAGACCTGTAATATGTATGAACTTCGCTCCGGAACCGGACAGCAACT
GGGTAGGACGCTGAAGAGAGCAACTGTTGTGCCCGCTGTGCTGTGGTGCCCGCCGACATTTGCAATC
CGCTAGCGGACCTGGGACCGCGAGGTGCTCCGGCTCCTCCGCCACTTCATTGTGGCTGCAGCTGCT
GCCCTGTGGTCTTCAGGAGATGGAAGTCCAGGCTCCACCTGGCACCACCATTGGCCATGTGCTACAGAC
CTGGCATCCCTTCCTTAAGTTTTCCATCCTGGATGCTGATCGCCAACCTGTTCTACGAGTTGTAGGG
CCTTGCTGGACTGTGGCTGTGGTACAGACACCAACTTTGAGGTGAAGACTAAGGATGAATCGCGAAGTG
TGGGCCGATCAGCAAGCAGTGGGAGGGCTGCTCCGAGAAGCCCTCACAGACGCCGATGACTTTGGCCT
CCAATTCAGTCGATCTAGATGTGAAAGTGAAGGCCGCTACTGCTGGGAGCCACGTTCTCATCGATTAT
ATGTTCTCGAGAAGAGAGGAGGCGCAGGACCCCTGCCATCACCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204098 representing NM_023564
Red=Cloning site Green=Tags(s)

MAGYLPKGYAPSPPPYPVPSGYPEPVALHPGPGQAPVPTQVPAPAPGFALFPPSPGPVAPGPPAPFVPL
 PGVPPGLEFLVQIDQILIHQKAERVETFLGWETCNMYELRSGTGQQLGQAAEESNCCARLCCGARRPFRI
 RLADPGDREVLRLRLPLHCGCSCCPCGLQEMEVQAPPGTTIGHVLQTHWPFPLPKFSILDADRQPVLRVVG
 PCWTCGCGTDTNFEVKTKDESRVSGRISKQWGLLREALTDADDFGLQFPVDLDVKVKAVLLGATFLIDY
 MFFEKRGGAGPSAITS

TRTRPLE - GFP Tag - V

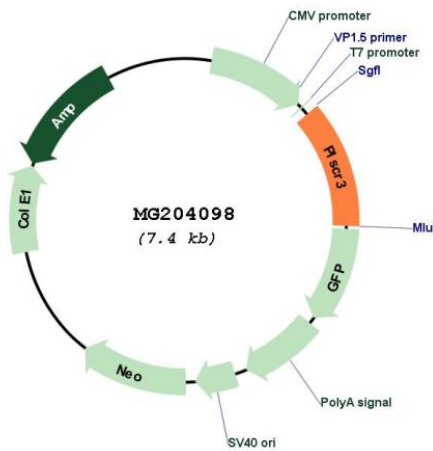
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_023564

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:	<ol style="list-style-type: none">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_023564.2 , NP_076053.1
RefSeq Size:	2942 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]