

## Product datasheet for **MG204796**

### Plscr1 (BC002017) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plscr1 (BC002017) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plscr1
Synonyms:	NOR1, TRA1, MmTRA1a, MmTRA1b, MuPLSCR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204796 representing BC002017 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAAACACAGCAAGCAAAGTGGGCTCCCCACCCGGGAACATATATGCCAGCTGGGTATCCCCCTC  
CGTATCCACCAGCAGCTTCCAAGGACCTTCAGACCATGCTGCTTACCCCATACCCAGGCTGGCTACCA  
AGGGCCTCGGGCCCTATCCAGGGCCCAACCTGGCTACCCAGTCCCACCAGGAGGTTATGCAGGTGGT  
GGCCCTAGTGGCTTTCCTGTCCAAAATCAGCCAGCATATAATCATCCAGGTGGCCTGGGGGACCCCAT  
GGATGCCAGCCCCCACCTCCACTGAACTGTCCACCGGGCTGGAATACTTAGCTCAGATTGATCAGCT  
TCTGGTTCATCAGCAAATTGAGCTTCTGGAAGTCTAACAGGCTTTGAAACAAATAACAAATATGAAATC  
AAGAACAGCCTCGGGCAGAGAGTTTACTTTGCAGTGGAAGATACTGACTGCTGTACCCGAAACTGCTGTG  
GGGCGTCTAGACCTTTCACCTTGAGGATCCTGGATAATCTGGGCCGAGAAGTCATGACTCTGGAGCGACC  
TCTGAGATGCAGTAGCTGCTGCTTCCCCTGCTGCCTCCAGGAGATAGAAATCCAGGCTCCTCCTGGGGTG  
CCAGTAGGTTATGTGACTCAGACCTGGCACCCATGTCTGCCAAGTTCACCTCCTCCAAAATGAGAAGAAGC  
AGGATGTCCTGAAAGTAGTTGGTCCGTGTGTGTGTAGCTGCTGTTCCGACATTGACTTTGAGCTCAA  
ATCTCTAGATGAAGAATCAGTAGTTGGCAAAATTTCTAAGCAGTGGTCTGGTTTTGTGAGAGAGGCCCTTC  
ACGGATGCAGACAACCTTTGGGATCCAGTTCCTGCTAGACCTGGATGTGAAGATGAAAGCTGTGATGCTTG  
GTGCTTGTTCCTCATAGATTTTCATGTTTTTTGAAAGAAGTGGAAACGAGGAACAAGATCAGGAGTATG  
G

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204796 representing BC002017  
 Red=Cloning site Green=Tags(s)

MENHSKQTEAPHPGTYPAGYPPPPYPAAFQGPSDHAAYPIPQAGYQPPPGYPGPQPGYVPPGGYAGG  
 GPSGFVQNPAYNHPGGPGGTPWMPAPPPPLNCPPGLEYLELAQIDQLLVHQIELLEVL TGFETNNKYEI  
 KNSLGQRVYFAVEDTDCCTRNC CGASRPFTLRILDNLGREVMTLERPLRCSCCFCCLQEIEIQAPPGV  
 PVGYVTQTWHPCLPKFTLQNEKKQDVLKVVGPCVVCSCCSIDFELKSLDEESVVGKISKQWSGFVREAF  
 TDADNFGIQFPLDL DVKMKAVMLGACFLIDFMFFERTGNEEQRSVW

TRTRPLE - GFP Tag - V

**Restriction Sites:**

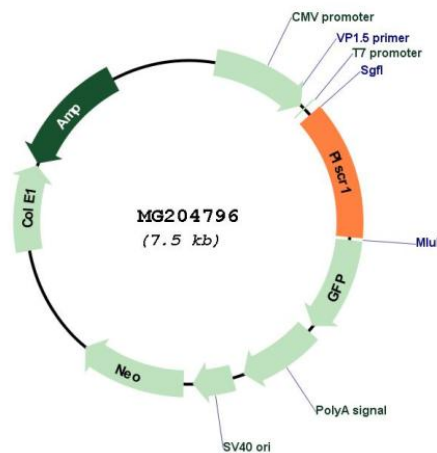
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** BC002017

**ORF Size:** 983 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="#">BC002017</a> , <a href="#">AAH02017</a>
<b>RefSeq Size:</b>	1499 bp
<b>RefSeq ORF:</b>	983 bp
<b>Locus ID:</b>	22038
<b>Cytogenetics:</b>	9 E3.3
<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.[UniProtKB/Swiss-Prot Function]