

Product datasheet for **MR204796**

Plscr1 (NM_011636) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plscr1 (NM_011636) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plscr1
Synonyms:	MmTRA1a; MmTRA1b; Nor1; Tra1; Tra1a; Tra1b; Tras1; Tras2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204796 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAACACAGCAAGCAAAGCTGAGGCTCCCCACCGGGAACATATATGCCAGCTGGGTATCCCCCTC
CGTATCCACCAGCAGCTTCCAAGGACCTTCAGACCATGCTGCTTACCCCATACCCAGGCTGGCTACCA
AGGGCCTCCGGGCCCTATCCAGGGCCCAACCTGGCTACCCAGTCCCACCAGGAGGTTATGCAGGTGGT
GGCCCTAGTGGCTTCTGTCCAAAATCAGCCAGCATATAATCATCCAGGTGGCCTGGGGGACCCCAT
GGATGCCAGCCCCCACCTCCACTGAACTGTCCACCGGGCTGGAATACTTAGCTCAGATTGATCAGCT
TCTGGTTCATCAGCAAATGAGCTTCTGGAAGCTTAACAGGCTTTGAAACAAATAACAAATATGAAATC
AAGAACAGCCTCGGGCAGAGAGTTTACTTTGCAGTGGAAGATACTGACTGCTGTACCCGAAACTGCTGTG
GGGCGTCTAGACCTTTCACCTTGAGGATCCTGGATAATCTGGGCCGAGAAGTCATGACTCTGGAGCGACC
TCTGAGATGCAGTAGCTGCTGCTTCCCCTGCTGCCTCCAGGAGATAGAAATCCAGGCTCCTCCTGGGGTG
CCAGTAGGTTATGTGACTCAGACCTGGCACCCATGTCTGCCAAGTTCACCTCCTCCAAAATGAGAAGAAGC
AGGATGTCCTGAAAGTAGTTGGTCCGTGTGTGTGTAGCTGCTGTTCCGACATTGACTTTGAGCTCAA
ATCTCTAGATGAAGAATCAGTAGTTGGCAAAATTTCTAAGCAGTGGTCTGGTTTTGTGAGAGAGGCCCTTC
ACGGATGCAGACAACTTTGGGATCCAGTCCCGCTAGACCTGGATGTGAAGATGAAAGCTGTGATGCTTG
GTGCTTGTTCCTCATAGATTTTCATGTTTTTTGAAAGAACTGGAACGAGGAACAAGATCAGGAGTATG
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204796 protein sequence
Red=Cloning site Green=Tags(s)

MENHSKQTEAPHPGTYPAGYPPPPYPPAAFQGPSDHAAYIPQAGYQPPGPYPGPQPGYVPPGGYAGG
 GPSGFVQNPAYNHPGGPGGTPWMPAPPPPLNCPPGLEYLEAQIDQLLVHQIELLEVL TGFETNNKYEI
 KNSLGQRVYFAVEDTDCCTRNCCGASRPFTLRILDNLGREVMTLERPLRCSCCFCCLQEIEIQAPPGV
 PVGYVTQTWHPCLPKFTLQNEKKQDVLKVVGPCVVCSDDIDFELKSLDEESVVGKISKQWSGFVREAF
 TDADNFGIQFPLDL DVKMKAVMLGACFLIDFMFFERTGNEEQRSQVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011636

ORF Size: 984 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_011636.2](#), [NP_035766.2](#)

RefSeq Size: 2141 bp

RefSeq ORF: 987 bp

Locus ID: 22038

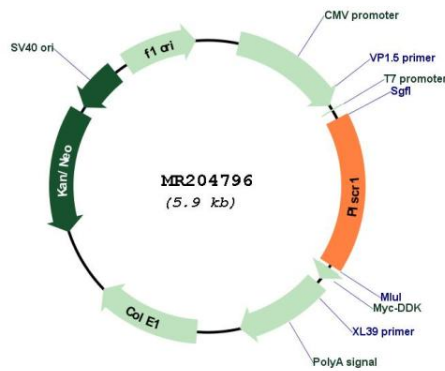
UniProt ID: [Q9J100](#)

Cytogenetics: 9 E3.3

MW: 35.8 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204796