

Product datasheet for **MR204754**

Plscr4 (NM_178711) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plscr4 (NM_178711) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plscr4
Synonyms:	AV245873
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204754 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGGCTGGTCCCCACAGCCCTGAGCAACCTACAGAAGAAATGGAAAATCAAATAAAATCACCAA
CTGCTGTGCCTGATGCTCCTCCTGACTACAATTCTATTTGCGCCAGGCCCTGCTGGACCAGTTGCCTC
TCCTTCTGCAGGCTTGCCTATGGGATACTACATCCCCAGCAGCCCGGTGCCATCCCCTTGTACCATCCC
ACTGGTGGCACCCATCCAATCCAGTACCAACCTGGCAAATATCCTGTGACGAATCAGCCTGCTCCATAA
TGTGGATGGCAGGCCAGCTCCTGTGCCAACTGCCCTCTGGTTTGAATACTTAGCTCAGTTGGACAA
CATAACGTTCTTCAGCATGTTGAGCCTCTGAACTGATGACACGTTTTGAACTAATAATAGATATGAC
ATCAAGAACAACATAGACCAGATGGTCTATATCGTAACTGAAGACACAGATGACTTTACCAGGAATGCCT
ATCGGAACCTACGACCCTTTGTGCTCCGGTCACTGACTGCCTGGGCCGAGAGATCATGACCATGCAGAG
GCCTTTCCGATGCACCTGCTGTTGCTTCTGCTGCCCTGTGCAAGACAAGAGCTGGAAGTGAATGTCCT
CCTGGGTCAACATTGGCTTTGTTGCAGAACACTGGAACCTGTGCAGAGCCTCTTATAGCATCCAGAATG
AGAAGAAAGAGAGATGATGAGAGTGAGGGTCCGTGTGCAACCTACGGCTGTGGCTCCGATTCTGTTTT
TGAGATCAACTCTTAGATGGCGTGTCTAACATCGGCAGTATTATAAGGAAGTGAATGGCTTTTTATCA
ACGATGGTAAATGCTGACCACTTTGAGATTCGCTTCCCTTTGGCCCTGGATGTGAAGATGAAAGCAATGA
TTTTCGGCTCTTGCTTCTCATTGACTTCACTTTGAACGACCTCCTCCGCGACGTATGTCAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204754 protein sequence
Red=Cloning site Green=Tags(s)

MSGLVPTAPEQPTEEMENQIKSPTAVPDAPPDYNHSFAPGPAGPVASPSAGLPMGYIIPQQPGAIPLYHP
 TGGTHPIQYQPGKYPVTNQAPAPIMWMAGPAPVPCPPGLEYLEAQLDNIHVLQHVEPLELMTRFETNNRYD
 IKNNIDQMVIYIVTEDTDDFTRNAYRNLRPFVLRVTDCLGREIMTMQRPFRCCTCCFCPCARQELEVQCP
 PGVTIGFVAEHWNLCRASYSIQNEKKESMMRVRGPCATYCGGSDSVFEINSLDGVSNIGSIIKRWNGFLS
 TMVNADHFEIRFPLALDVKMKAMIFGSCFLIDFMYFERPPRRMSR

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_178711

ORF Size: 981 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_178711.3](#), [NP_848826.1](#)

RefSeq Size: 3259 bp

RefSeq ORF: 981 bp

Locus ID: 235527

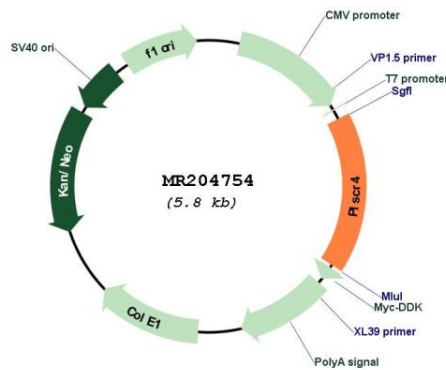
UniProt ID: [P58196](#)

Cytogenetics: 9 E3.3

MW: 36.6 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 MR204754