

Product datasheet for **RR200560**

Plscr1 (NM_057194) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Plscr1 (NM_057194) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Plscr1
 Synonyms: MGC93252
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR200560 representing NM_057194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAGCACGGACCACCAGAACATGCTGCTTACCCATTCTCAGGCTGACTACCAAGGGTCCCAGG
 GTCCTATCCAGGACCGCAGGGTCCATATCCAGGGCCCCAGGGTCCCTATGCAGGGCCTCAAGGTCCTA
 TCCAGGGCCCCAGGGTCCCTATGCAGGGCCCCAAGGTCCTATCCAGGGCCCCAACCTGGCTACCCAGTT
 CCACCAGGCAGTTATGCAGGTGGTGACCCAAGTGGCTTTCCTGTCCAACATCAGCCGGCGTATAATCACC
 CAGGTGGACCTGGGGCACCCCATGGATGCAAGCACCACTCCACCCCTGGACTGTCCGCTGGGCTGGA
 ATACTTAACGCAGATAGATCAGATTCTGGTTCATCAGCAGATTGAACTTCTGGAAGTCTTAACAGGCTTT
 GAAACAAATAACAAATATGAAATCAAGAACAGCCTTGGGCAGAGGGTTTACTTTGCGGTGGAAGATACGG
 ACTGCTGCACTCGAACTGCTGTGGGGCGTCTAGACCGTTCACCTTGAGGATCCTGGATAACATGGGCCG
 AGAAGTCATGACTCTGGAGAGACCCCTGAGATGCAGTAGCTGCTTCCCTGCTGCCTCCAGGAGATA
 GAAATCCAGGCTCCTCCTGGGGTGCCAGTAGGTTATGTGATTCAGACCTGGCACCCATGTCTGCCAAAGT
 TCACTCTCAAAATGAGAAGAGGCAGGACGTTCTAAAGGTCGTTGGTCCGTGTGTGTGTAGCTGCTG
 TTCAGACATTGACTTTGAGCTCAAATCTCTAGATGAGGAATCCGTTGTTGGCAAAATTTCAAGCAGTGG
 TCTGGTTTTGTGAGAGAGGCCTTCACGGATGCAGATAACTTCGGGATCCAGTTCCTGGACCTGGATG
 TGAAGATGAAAGCTGTGATGCTTGGCGCTGTTTCCTCATAGATTTCATGTTTTTTGAAAGAAGCTGGAAA
 TGAGGAACAAAGGTCAGGAGTATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200560 representing NM_057194
Red=Cloning site Green=Tags(s)

MEKHGPPPEHAAYPIQADYQGSQGPYPGPQGPYPGPQGPYAGPQGPYPGPQGPYAGPQGPYPGPQGPYV
 PPGSYAGGDPSPGFVQHQPAYNHPGGPGTPTWQAPPPPLDCPPGLEYLQIDQILVHQIELLEVLTF
 ETNNKYEIKNSLGQRVYFAVEDTDCCTRNC CGASRPFTLRILDNMGREVMTLERPLRCSGCCFPCLQEI
 EIQAAPPVPGVYVIQTWHPCLPKFTLQNEKRQDVLKVVGPCVVCSCCSDIDFELKSLDEESVVGKISKQW
 SGFVREAF TDADNFGIQFPLDL DVKMKAVMLGACFLIDFMFFERTGNEEQ RSGVW

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_057194

ORF Size: 1005 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_057194.1](#), [NP_476542.1](#)

RefSeq Size: 1569 bp

RefSeq ORF: 1008 bp

Locus ID: 117540

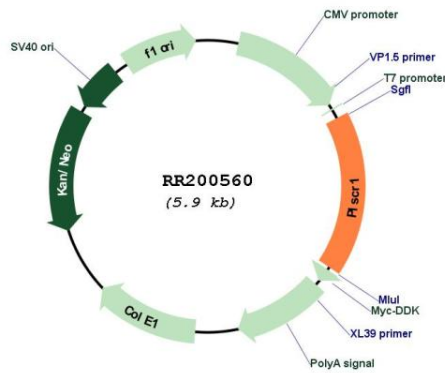
UniProt ID: [P58195](#)

Cytogenetics: 8q31

MW: 36.7 kDa

Gene Summary: may act as a downstream mediator of immune response in IgE receptor signaling; may transport phospholipids in the plasma membrane [RGD, Feb 2006]

Product images:



Circular map for RR200560