

Product datasheet for **RR212973**

Serpind1 (NM_024382) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpind1 (NM_024382) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpind1
Synonyms:	rls2var1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212973 representing NM_024382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCATCCAGCCTACACTCTCCTTCTCTCTCATCATGTCTATGTGTGCTGGGAGCAAAGGCCTTG
 CTGAGCAGCTAACTAAGGAAAACCTGACCGTGTCCCTCCTGCCTCCTAACTTCCACAAAGAGAACACAGT
 CACCAATGACTGGATTCCAGAAGGAGAGGAAGATGACGACTACCTGGACCTGGAGAAGCTGCTCAGTGAA
 GATGACGACTACATCTATGTTGTCGATGCAGTTTCCCAACAGACTCAGAATCAAGTGCTGGCAACATCC
 TGCAGCTTTTCCAAGGCAAAAGCCGGATCCAGCGCCTTAACATCCTCAATGCAAAGTTTGCCTTCAACCT
 TTACCGAGTCTGAAGGACCAGGCTACCTCTTCTGATAACATTTTCATAGCACCCGTTGGCATTTCCTACT
 GCCATGGGGATGATCTCCTTAGGTTTGGGGGAGAGACCCATGAGGAAGTACACTCAGTTCTACACTTCA
 AAGACTTTGTCAATGCTAGCAGCAAGTACGAGGTGACAACCATCACAACCTCTTTCGAAAGCTGACCCA
 TCGCCTATTCAGAAGGAATTTGGGTACACACTTCAGTCAGTTAATGACCTTTATATTCAGAAGCAGTTT
 CCCATACGGGAGGACTTCAAAGCTGCCATGAGAGAGTTTTACTTTGCTGAGGCCAGGAGGCTGACTTCT
 CAGATCCTGCCTTCATATCAAAGGCAAACAGCCACATTCTGAAGCTCACCAAGGGCCTCATAAAAGAAGC
 TTTGGAGAATACAGACTCTGCTACTCAGATGATGATTCTGAAGTGCATCTACTTCAAAGGAGCTTGGATG
 AATAAATCCCAGTAGAAATGACGCATAACCACAACCTCCGGCTGAATGAGAGAGAAGTAGTAAAGTCT
 CCATGATGCAAATAAAGGGAATTCCTTGCGGCAAATGACCAGGAGCTAGACTGTGACATTCTGCAGCT
 GGAGTATGTAGGGGGCATCAGCATGCTAATTGTAATCCACGGAAGCTGTGGGAATGAAGACTCTTGAA
 GCACAGCTTACACCCAGGTAGTGGAGAGATGGCAAAAAGCATGACAAACAGAACCCGAGAGGTACTTC
 TGCCCAAGTTTAAAGCTTGAGAAGAATTACAACCTGGTGGAGTCCTCAAGTCCATGGGAATCACAAGCT
 CTTCAACAAGAATGGCAATATGTCAGGCATCTCAGACCAGAGGATCATCATTGATCTGTTCAAGCACAG
 AGTACCATCACAGTGAATGAAGAGGGTACCCAAGCTGCAGCTGTAAGTACAGTGGGGTTTATGCCGCTGT
 CTACCAAGTCAGATTCACTGTTGACCGTCCCTTCTGTTCTAGTGTATGAGCACCGAACCAGCTGTCT
 GCTGTTTCATGGGAAGAGTGGCAACCTGCCAAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212973 representing NM_024382
 Red=Cloning site Green=Tags(s)

MKHPAYLLLLSLIMSMCAGSKGLAEQLTKENLTVSLLPPNFHKENTVTNDWIPEGEEDDDYLDLEKLLSE
 DDDYIYVVDVAVSPTDSESSAGNQLFQKSRILQRLNINLNAKFAFNLYRVLKDQATSSDNIFIAVPGIST
 AMGMISLGLRGETHAEVHSLHFKDFVNASSKYEVTTIHNLFKLRHLFRRNFGYTLQSVNDLYIQKQF
 PIREDFKAAMREFYFAEAQADFSDPAFISKANSHILKLTGKLIKEALENTDSATQMMILNCIYFKGAWM
 NKFPVEMTHNHFRLNEREVVKVSMQTKGNFLAANDQELDCDILQLEYVGGISMLIVIPRKLSGMKTLE
 AQLTPQVVERWQKSMNTRREVLLPKFKLEKNYNLVEVLKSMGITKLFNKNGNMSGISDQRITIIDLFKHQ
 STITVNEEGTQAAAVTTVGFMPPLSTQVRFVDRPFLFLVYEHRTSCLLFMGRVANPAKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

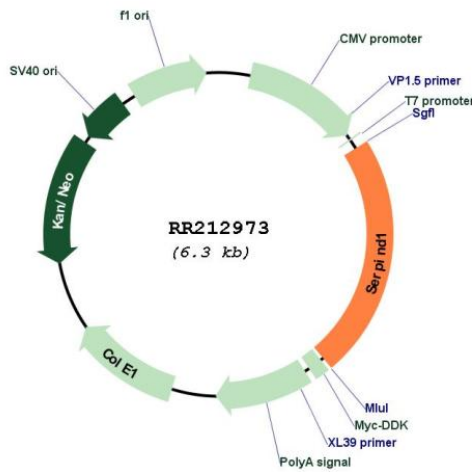
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_024382

ORF Size: 1437 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_024382.1](#), [NP_077358.1](#)

RefSeq Size: 2093 bp

RefSeq ORF: 1440 bp

Locus ID: 79224

UniProt ID: [Q64268](#)

Cytogenetics: 11q23

MW: 54.6 kDa

Gene Summary: inhibits activity of the serine protease thrombin [RGD, Feb 2006]