

## Product datasheet for RR210463

### Serpib5 (NM\_057108) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpib5 (NM_057108) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpib5
Synonyms:	Maspin; PI-5; Pi5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210463 representing NM_057108 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATGCCTTGAGACTGGCAAATTCAGCTTTTGCTGTTGAATTGTTCAAACAATATGTGAAAAGGAGC  
CAGCAGGAAACATTCTCTCTCCGATATGCCTCTCCACTTCTCTGTCCCTTGCTCAAGTAGGCGCCAA  
AGGTGACACGGCAAATGAAATTGGACAGGTCCTTCATTTTGAAGATGTTAAAGATGTACCCTTTGGTTTC  
AAACCAATCACTTCTGATGTTAATAAGCTCAGTTCCTTTTATTCGCTGAAACTAATCAAGCGACTATACA  
TTGACAAATCTCTGAACCTTTCTACAGAATTTATCAGTCTACAAAAAGACCATATGCCAACGAATTGGA  
AACTGTTGACTTCAAAGATAAACTGGAAGAGACGAAAGGTCAAATTAACAGCTCCATTAAGGAACTCACA  
GACGGCCACTTTGAAGATATTTTGCCAGAGAACAGTATAAGTGACCAGACCAAAATCCTTGTGGTTAATG  
CTGCCTACTTTGTTGAAAGTGGATGAAGAAATTTCCAGAATCAGAAACAAAAGAATGTCCATTCAGAA  
CAACAAGACAGACACCAACCAGTACAAATGATGAATCTTGAGGCTACCTTCTGCTTGGGTAACATTGAT  
GACATCAACTGTAAGATCATAGAATTCCTTTCCAGAATAAGCATCTCAGTATGCTCATTGTGCTCCCTA  
AGGACGTGGAAGATGAATCCACAGGCTGGAGAAGATTGAAAAACAACCAACCCAGAACTGTTACA  
GTGGACCAACCCAGCACCATGGCCAATGCCAAAGTCAAGCTTTCCCTTCCAAAGTTAAAGGTAGAAAAG  
ATGATTGACCCCAAGGCTAGTCTGGAAAGCCTAGGGCTGAAAAGTCTCTCAATGAAAGTACATCGGATT  
TCTCTGGAATGTCAGAGACCAAGGGAGTGTCCGTATCAAATGTGATTCACAGAGTATGCCTAGAAAATAAC  
TGAAGATGGTGGTATTCCATCGAGGTGCCAGGGTCCCAGGATCTTACAGCACAAGGATGAATTCAAAGCT  
GACCATCCATTTCTTTTATCGTTCGACACAACAAAACCTGAAACATCGTTTTCTTGGGCAAAATCTCTT  
CTCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210463 representing NM\_057108  
 Red=Cloning site Green=Tags(s)

MDALRLANSFAVELFKQLCEKEPAGNILFSPICLSTSLSLAQVGAKGDTANEIGQVLHFENVKDVPPGF  
 KPITSDVNKLSSFYSLKLIKRLYIDKSLNLSTEFISSTKRPYANELETVDFKDKLEETKQGQINSSIKELT  
 DGHFEDILPENSISDQTKILVNAAAYFVGKWMKFPESKTCPCFRINKTDTKPVQMMNLEATFCLGNID  
 DINCKIIELPFQNKHL SMLIVLPKDVEDESTGLEKIEKQLNPETLLQWTPSTMANAKVKLSLPKFKVEK  
 MIDPKASLESGLKSLFNSTSDFSGMSETKGVSVSNVIHRVCLEITEDGGDSIEVPGSRILQHKDEFKA  
 DHPFLFIVRHNKTRNIVFLGKFSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

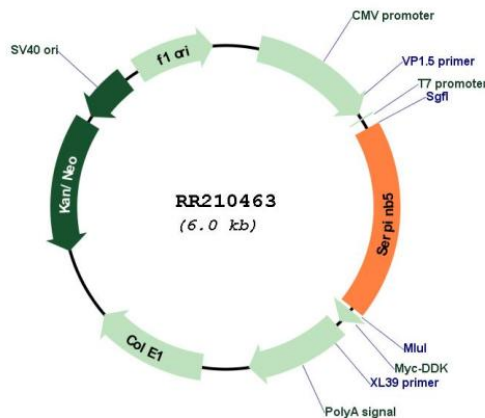
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_057108

<b>ORF Size:</b>	1125 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="#">NM_057108.2</a> , <a href="#">NP_476449.1</a>
<b>RefSeq Size:</b>	2576 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	116589
<b>UniProt ID:</b>	<a href="#">P70564</a>
<b>Cytogenetics:</b>	13p11
<b>MW:</b>	42.1 kDa
<b>Gene Summary:</b>	may act as a tumor suppressor [RGD, Feb 2006]