

## Product datasheet for RR213667

### Serpine2 (NM\_019197) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpine2 (NM_019197) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpine2
Synonyms:	CRG; Gdnpn1; PI-7; Pn-1; Spin4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213667 representing NM_019197 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATTGGCATTTCCTTCTTCATCTTGACCACAGTGACTTTATCCTCTGTGTACTCCCAGCTCAACT  
CTCTGTCCTCGAGGAAGTAGGCTCTGACACAGGGATCCAGGTTTCAATCAGATCATCAATCACAGCC  
TCATGAGAAGCTTGTCTTTCTCCGCACGGGATTGCGTCCATCTTGGGCATGCTGCAGCTGGGGCTGAC  
GGCAGGACGAAGAAGCAGCTCTCAACGGTGATGCGATACAATGTGAACGGAGTCGAAAAAGTGTGAAGA  
AGATCAACAAGGCTATTGTCTCCAAAAAAGATAAAGACATTGTGACCGTGGCCAATGCTGTGTTGTTCAG  
GAATGGCTTTAAAGTGAAGTGCCTTTTGCAGCAAGGAACAAAGAGGTGTTTCAGTGTGAAGTACAGAGT  
GTGAACCTCCAGGACCCGGCCTCTGCTTGTGATGCCATCAATTTTGGGTCAAAAATGAGACGAGGGGCA  
TGATTGACAACCTACTTTCCCAAATCTGATCGATAGTGCTCTTACCAAAGTGGTCTCGTTAACGCAGT  
GTATTTCAAGGGTTTGTGGAAATCCCGGTTTCAACCTGAGAACACGAAGAAACGGACCTTCGTGGCAGGT  
GATGGAAAATCCTACCAAGTACCCATGCTAGCCAGCTCTCCGTGTTCCGCTCTGGGTCTACCAAACCC  
CAAATGGCTTATGGTACAACCTTATTGAGCTACCCTACCATGGTGAGAGCATCAGCATGTTGATCGCCCT  
GCCAACAGAGAGCTCCACCCACTGTCCGCCATCATCCCTCACATCAGTACCAAGACCATCAATAGCTGG  
ATGAACACCATGGTACCAAGAGGATGCAGCTGGTCTGCCAAGTTCACAGCTGTGGCACAACAGATC  
TGAAGGAGCCACTGAAAGCCCTTGGCATTACTGAGATGTTTGAACCGTCAAAGGCAAATTTGCAAAAAT  
AACAAAGTCCAGAGAGCCTTACGCTCTCTCACATCTTGCAGAAAGCAAAAATGAAGTCCAGCGAAGATGGG  
ACCAAAGCCGAGTAGTGACAACCTGCAATCCTAATTGCAAGGTGATCGCCTCCCTGGTTTATAGTAGACA  
GGCCTTCTCTGTCTGCATCCGACACAATCCACAGGTGCCATCTGTTCTCTGGGCAGGTGAACAAGCC  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR213667 representing NM\_019197  
 Red=Cloning site Green=Tags(s)

MNWHFPFFILTTVTLSVVYSQLNSLSLEELGSDTGIQVFNQIIKSQPHENVVISPHGIASILGMLQLGAD  
 GRTRKQLSTVMRYNVNGVGKVLKKINKAIVSKKNKDIVTANAVFVRNGFKVEVPPFAARNKEVFQCEVQS  
 VNFQDPASACDAINFVWKNETRGMIDNLLSPNLIDSALTKLVLVNAVYFKGLWKSRLFQENTKKRTFVAG  
 DGKSYQVPMLAQLSVFRSGSTKTPNGLWYNFIELPYHGESISMLIALPTESSTPLSAIIPHISTKTINSW  
 MNTMVPKRMQLVLPKFTAVAQTDLKEPLKALGITEMFEPKANFAKITRSESLHVSHILQKAKIEVSEDG  
 TKAADVTTAILIARSSPPWFIVDRPFLFCIRHNPTGAILFLGQVNKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

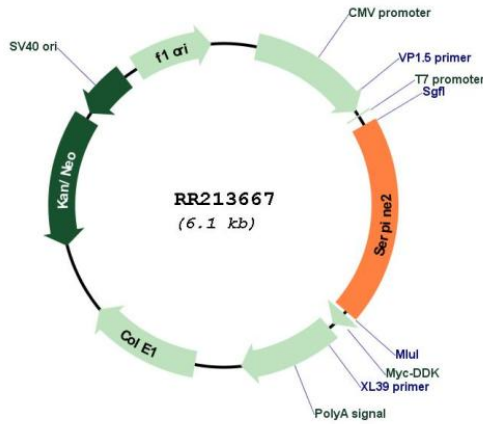
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_019197

<b>ORF Size:</b>	1191 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_019197.1</a> , <a href="#">NP_062070.1</a>
<b>RefSeq Size:</b>	2078 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	29366
<b>UniProt ID:</b>	<a href="#">P07092</a>
<b>Cytogenetics:</b>	9q34
<b>MW:</b>	44 kDa
<b>Gene Summary:</b>	displays neurite promoting activity and serine protease inhibitory activity [RGD, Feb 2006]