

Product datasheet for **RR212680**

Serpina3n (NM_031531) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina3n (NM_031531) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpina3n
Synonyms:	CPi-26; Spi-2.2; SPI3; Spin2c; Spin3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212680 representing NM_031531 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGGGATCGGCTCTGCTCTCCTCTCCTTCCCAGATTGCATACTGGGAGAGGACACTCTATTCCATG
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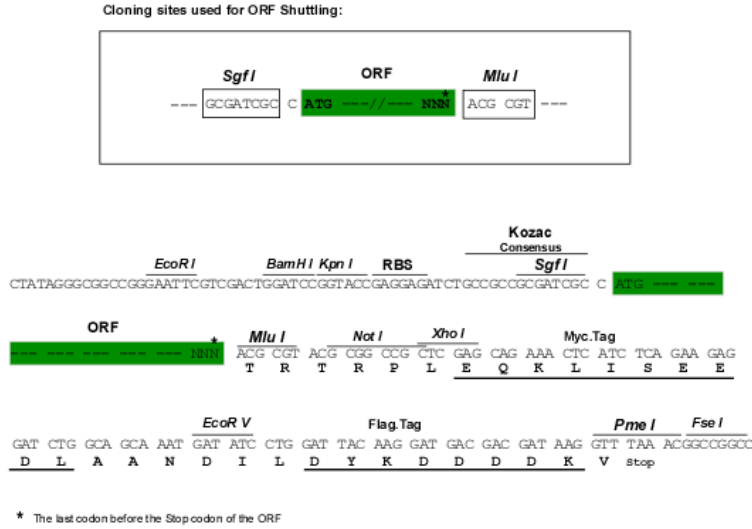
Protein Sequence: >RR212680 representing NM_031531
 Red=Cloning site Green=Tags(s)

MDGIGSALLSFPDCILGEDTLFHEDQDKGTQLDSLTLASINTDFAFSLYKKLALRNPHKNVVFSPLSISA
 ALAVVSLGAKGSSMEEIIEGLKFNLTETPETEIHRRFGHLLQRLSQPRDEIQISTGNALFIEKRLQVLAE
 FQEKAKALYQAEAFADTFQOSREAKKLINDYVSKQTQGGIQGLITNLAKKTSMLVNYIYFKGKWKVPFD
 PRDTFQSEFYSGKRRSVKVPMMKLEDLTPYVRDEELNCTVVVELKYTGNASALFILPDQGMQQVEASLQ
 PETLRRWKDSL RPSMIDELYLPKFSISADYNLEDVLPGLGIKEVFSTQADLSGITGDKDLMVFQVVHKAV
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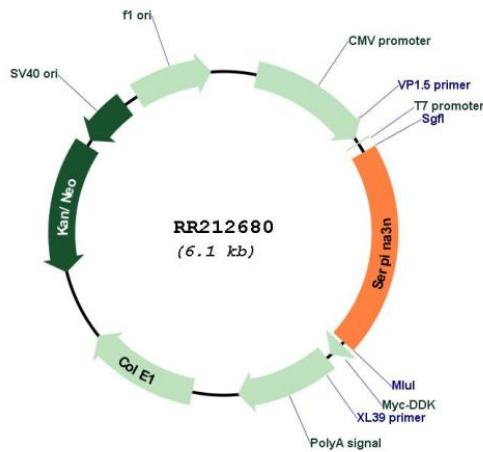
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031531

ORF Size:	1224 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:	<ol style="list-style-type: none">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_031531.1 , NP_113719.1
RefSeq Size:	2061 bp
RefSeq ORF:	1227 bp
Locus ID:	24795
UniProt ID:	P09006
Cytogenetics:	6q32
MW:	45.6 kDa
Gene Summary:	secreted acidic glycoprotein that may act as a serine protease inhibitor; expression is transiently induced during inflammation [RGD, Feb 2006]