

Product datasheet for **RR207999**

Serpina11 (NM_001008776) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina11 (NM_001008776) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpina11
Synonyms:	MGC124917
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207999 representing NM_001008776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCCAGTGTGGCTGTGGCTGCTGATAGCTGAGCTCCTGCTTCTGTCCATTATCAGCCATCTTCTG
 CCCATGGAGATAAGAGTCTAGGGGCACCTCAACCAGCCAGCCACCAGTCCCTGGAGCCAGCACCCGCCTA
 TCACAAAGTCACACCCACCATTACTAATTTTGCTTTGCGCCTATACAAGCAACTAGCAGAGGAAATACCA
 GGAACATCCTCTTCTCCCCGTGAGCCTCTCCAGCACCGTGGCTCTGCTCTCTCTCGGGGCACATGCTG
 ACACCCAGGCTCAAATCTGCAAAGCTTGGGCTTCAACCTCACAGAGACCCAGCAGCTGACATCCATCG
 GGGCTTCCAGAGCCTCTGCACACGCTTGACTTGCCAGCCCAAAGTGGAACTGAACTGGGGCACTCT
 CTGTTCTTGACAGGCAGCTAAGCCTCAGCAACGCTTCTGGACAGTGCCAAGGAGCTGTATGGAGCCC
 TGGCTTTTCCGCCAATTCACAGAAGCAGCTGCCACAGGGCAGCAGATCAATGACCTAGTGAGGAAGCA
 GACCTATGGGCAGGTGGTGGGCTGTCTCCAGAGTTCGATCGTGACACCCTTATGGTTCTCTTGAACAT
 ATCTTCTCAAAGCCAAGTGAAGCATCCCTTTGATCGCTACCAGACCCGGAAGCAGGAGAGCTTCTTCG
 TGGACCAGAGGCTGCAGCTCCGCATTCCCATGATGCGGCAGAAGGAAATGCATAGTTTCTGTACGACCA
 GGAGGCATCGTGCAGTGTGCTGCAAATCGAGTACAGCGGCACCGCCTTGCTGCTGCTGGTCTCCCTGAC
 CCTGGGAAGATGCAGCAGGTAGAGGCTGCCCTCCAGCCAGAGACTGAGAAGGTGGGGCCAGCGGTTCC
 TGCCAGAAAAGCTCAGGCAGGTGGAGCAGGCAATGGCGGCTTGCACTGGGACCGGGTCAATGAATTCCC
 GCAAAATAGAGTTGGGAACTGAGCCTGAAGCACCTGCAGATGACTCAAACGTGGAGTCTGTTGGATTG
 CACCTGCCACGGTTTTTCAGTTTCTGCAACCTACAACCTGGAAGAGATCCTGCCCTCGTTGGCCTCAGCA
 GCCTCTTTGACGTGGAAGCCGACCTATCAGGAATTATGGGGCAGCTCAACAAAAGTCTCCAGGGTATC
 GCACAAGGCCGTGCTGGACATGAACGAGAAGGAACTGAGGCCGAGCTGCCTCTGGCCTGCTCTCCAG
 CCCCCATCCCTGAACATGACGTACGCCACACGCCACTTTAACAGGCCCTTCTGCTTCTGCTCTGGG
 AGGTGACCACCCAGAGCTGCTTCTCTAGGAAAGTAGTCAACCCAGCTGCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207999 representing NM_001008776
 Red=Cloning site Green=Tags(s)

MGPVWLWLLIAELLLPVHYQPSSAHGDKSLGAPQASHQSLEPAPAYHKVPTITNFALRLYLKLAEEIP
 GNILFSPVLSSTVALLSLGAHADTQAQILQSLGFNLTEPAADIHRGFQSLHLTLDLPSPKLELKLGH
 LFLDRQLKQQRFLLDSAKELYGALAFSANFTEAAATGQQINDLVRKQTYGQVVGCLPEFDRDTLMVLLNY
 IFFKAKWKHPFDYQTRKQESFFVDQRLQLRIPMMRQKEMHRFLYDQEASCTVLQIEYSGTALLLLVLPD
 PGKMQQVEAALQPETLRRWQRFLLPRKAQAGGAGNGLHWDRVNEFPQNRVGLSLKHLQMTQTWSLLDL
 HLPRFSVSATYNLEEILPLVGLSSLFDVEADLSGIMGQLNKTVSRVSHKAVVDMNEKGEAAAAAGSLLSQ
 PPSLNMTSAPHAHFNRPFLLLLWEVTTQSLFLGKVVNPAAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

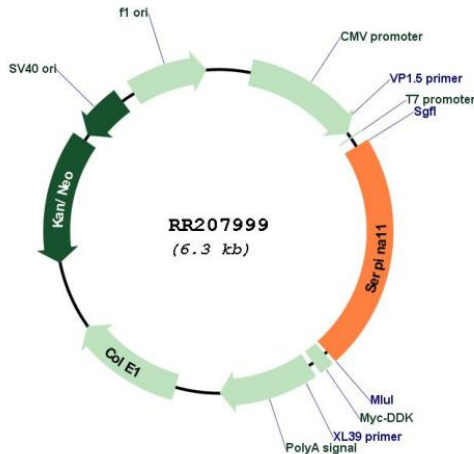
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001008776

ORF Size: 1386 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_001008776.2](#), [NP_001008776.1](#)

RefSeq Size: 1496 bp

RefSeq ORF: 1389 bp

Locus ID: 362774

UniProt ID: [Q7TPA5](#)

Cytogenetics: 6q32

MW: 51.5 kDa