

Product datasheet for **RR207046**

Serpini1 (NM_053779) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpini1 (NM_053779) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpini1
Synonyms:	PI-12; raPIT5a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207046 representing NM_053779 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTACCTTGGACTGCTCTCTTTAGTGGCCTTGCAAAGTTTGGTGACAGGGGCAGCTTTCCAGATG
AAACCATAGCCGAGTGGTCAGTGAATGTGTATAACCATCTTCGAGCCACTGGGGAAGATGAAACATCCT
CTTCTCTCCACTAAGCATTGCCCTTGCTATGGGGTGATGGAGCTCGGGGCTCAAGGATCTACTCTGAAA
GAAATCCGCCATTCAATGGGATACGAGAGCCTGAAAAGTGGTGAAGAATTTCTTTCCTGAGGGATTTTT
CTAGCATGGTCTCTGCTGAAGAAGGCCAATATGTGATGAAAATTGCCAATTCACCTCTTTGTGCAAAACGG
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TTCAGTGAAAAATGTGGCGGTGGCCAACACATCAATAAGTGGGTGGAGAATTATACAAACAGTCTATTGA
AAGATCTGGTGTCCCGGGGATTTTGACGCTGTACCCATCTGGCCCTTATCAATGCTGTATATTTCAA
AGGGAAGTGAAGTCTCAGTTTAGACCTGAAAATACCAGAAGTCTCTCCTCACAAAAGATGATGAAAGT
GAAGTACAGATTCCAATGATGTATCAACAAGGAGAATTTTATTACGGGGAATTTAGTGATGGATCCAATG
AGGCTGGTGGCATCTACCAAGTCTTGAGATACCTTATGAGGGAGACGAGATCAGCATGATGCTGGTACT
GTCCAGACAGGAAGTCCCACTGGCCACACTGGAGCCTCTGCTCAAACCACAGCTGATCGAAGAATGGGCA
AACTCCGTGAAGAAACAAAAGGTGGAAGTCTACTTGCCAGGTTACCGTGGAACAGGAAATTTGATTTAA
AAGACATCTTGAAAGCCCTTGGGGTCACTGAAATTTTCATCAAAGATGCAAAATTTGACTGCCATGTCAGA
TAAGAAAGAACTGTTCTCTCCAAGCTGTTCAACAAGTCTTCATTGAGGTTAATGAAGAAGGTCAGAA
GCAGCTGTGGCCTCAGGAATGATTGCAATTAGCAGGATGGCTGTGCTGTTCCCCAGGTTATTGTGCACC
ATCCATTTTTATTCTCATCAAGAACAGGAAAAGTGGTACAATCTTATTCATGGGACGAGTCATGCACCC
TGAACAATGAACACAAGTGGCCATGACTTTGAGGAATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207046 representing NM_053779
 Red=Cloning site Green=Tags(s)

MAYLGLLSLVALQSLVTGAAFPDETTIAEWSVNVYNHLRATGEDENILFSPLSIALAMGMELGAQGSTLK
 EIRHSMGYESLKSGEF SFLRDFSSMVSAEEGQYVMKIANSLFVQNGFHINEEF LQMMKMYFNAEVNHVD
 FSENAVAVANYINKWVENYNTSLKDLVSPGDFDAVTHLALINAVYFKGNWKSQFRPENTRTFSFTKDDDES
 EVQIPMMYQQGEFYYGEFSDGSNEAGGIYQVLEIPYEGDEISMMLVL SRQEVPLATLEPLLKPLIEEWA
 NSYKKQKVEVYLP RFTVEQEIDLKDKALGVTEIFIKDANLTAMSDKKELFLSKAVHKSFI EVNEEGSE
 AAVASGMIAISRMAVLFQVIVDHPFLFLIKNRKTGTILFMGRVMHPETMNTSGHDFEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

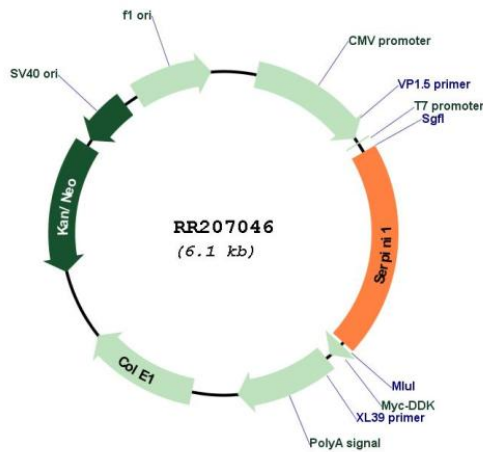
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053779

ORF Size:	1230 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_053779.1 , NP_446231.1
RefSeq Size:	2917 bp
RefSeq ORF:	1233 bp
Locus ID:	116459
UniProt ID:	Q9JLD2
Cytogenetics:	2q32
MW:	46.3 kDa
Gene Summary:	serine protease inhibitor; may be involved in neurite extension [RGD, Feb 2006]