

Product datasheet for MR206227

Serpine2 (NM_009255) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpine2 (NM_009255) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpine2
Synonyms:	B230326M24Rik; PAI-1; PI-7; PI7; PN-1; Spi4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206227 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTGGCATTTCCTTTCTTCATCTTGACCACAGTGACTTTATACTCTGTGCACTCCCAGTTCAACT
CTCTGTCACTGGAGAACTAGGCTCCAACACAGGGATCCAGGTCTTCAATCAGATCATCAAGTCACGGCC
TCATGAGAACGTTGTTGTCTCCACATGGGATCGCGTCCATCTGGGCATGCTGCAGCTCGGGGTGAC
GGCAAGACAAAGAAGCAGCTCTCCACGGTATGCGATATAATGTAACCGAGTTGGTAAAGTCTGAAGA
AGATCAACAAGGCTATTGTCTCCAAGAAAATAAAGACATTGTGACCGTGGCCAATGCTGTATTTCTCAG
GAATGGCTTTAAAATGGAAGTGCCTTTTGCAGTAAGGAACAAAGATGTGTTTCAGTGTGAAGTGCAGAAT
GTGAACCTCCAGGACCCAGCCTCTGCCTCTGAGTCCATCAATTTTGGGTCAAAAATGAGACCAGGGGCA
TGATTGATAACCTGCTTTCCCAAATCTGATCGATGGTGCCTTACCAGGCTGGTCTCGTTAATGCAGT
GTATTTCAAGGGTTTGTGGAAGTCTCGGTTTCAACCAGAGAGCACAAAGAAACGGACATTCGTGGCAGGT
GATGGGAAATCCTACCAAGTACCCATGTTGGCTCAGCTCTCTGTGTTCCGCTCAGGGTCTACCAGGACCC
CGAATGGCTTATGGTACAACCTCATTGAGCTGCCTACCATGGTGAAGCATCAGCATGCTGATCGCCCT
GCCAACAGAGAGCTCCACCCACTGTCTGCCATCATCCCTCACATCACTACCAAGACCATTGATAGCTGG
ATGAACACCATGGTACCCAAGAGGATGCAGCTGGTCTACCCAAGTTCACAGCTGTGGCACAACAGATG
TGAAGGAGCCACTGAAAGCCCTTGGCGTTACTGAGATGTTTGAAGCCATCAAGGCAAAATTTACAAAAAT
AAACAAGGTCAGAGAGCCTTCATGTCTCTCACATCTTGCAAAAAGCAAAAATTGAAGTCAGTGAAGATGGA
ACCAAAGCTTCGGCAGCAACAACTGCAATCCTAATTGCAAGGTATCACCTCCCTGGTTTATAGTAGACA
GGCCTTCTGTTTTCCATCCGACACAATCCACAGGTGCCATCTTGTTCCTGGGCCAGGTGAACAAGCC
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206227 protein sequence
 Red=Cloning site Green=Tags(s)

MNWHPPFFILTTVTLYSVHSQFNLSLEELGSNTGIQVFNQIIKSRPHENVVSPHGIASILGMLQLGAD
 GKTKKQLSTVMRYNVNGVGKVLKINKAIVSKNKDIDVTANAVFLRNGFKMEVPPFAVRNKDVFQCEVQN
 VNFQDPASASESINFVWKNETRGMIDNLLSPNLIDGALTRLVLNAVYFKGLWKSRLFQPESTKKRTFVAG
 DGKSYQVPMLAQLSVFRSGSTRTPNGLWYNFIELPYHGESISMLIALPTESSTPLSAIIPHITTKTIDSW
 MNTMVPKRMQLVLPKFTAVAQTLKEPLKALGVTEMFEPSCANFTKITRESLHVSHILQKAKIEVSEDG
 TKASAATTAILIARSSPPWFIVDRPFLFSIRHNPTGAILFLGQVNKP

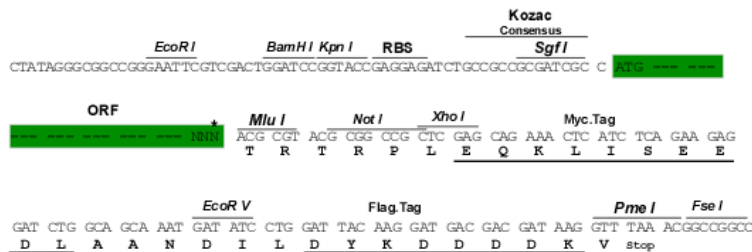
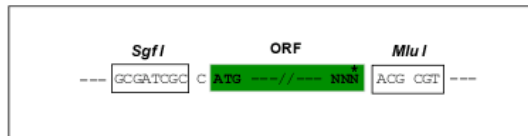
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009255

ORF Size: 1194 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_009255.1](#), [NM_009255.2](#), [NM_009255.3](#), [NM_009255.4](#), [NP_033281.1](#)

RefSeq Size: 2071 bp

RefSeq ORF: 1194 bp

Locus ID: 20720

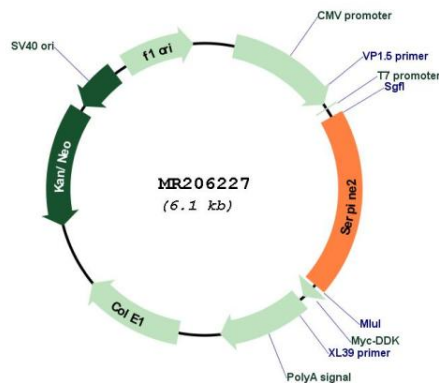
UniProt ID: [Q07235](#)

Cytogenetics: 1 40.97 cM

MW: 44.2 kDa

Gene Summary: Serine protease inhibitor with activity toward thrombin, trypsin, and urokinase. Promotes neurite extension by inhibiting thrombin. Binds heparin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206227