

Product datasheet for **MG206227**

Serpine2 (NM_009255) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serpine2 (NM_009255) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Serpine2
Synonyms: B230326M24Rik; PAI-1; PI-7; PI7; PN-1; Spi4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206227 representing NM_009255
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATTGGCATTTCCTTTCTTCATCTTGACCACAGTGACTTTATACTCTGTGCACTCCCAGTTCAACT
 CTCTGTCACTGGAGGAAGTAGGCTCCAACACAGGGATCCAGGTCTTCAATCAGATCATCAAGTCACGGCC
 TCATGAGAACGTTGTTGTCTCCACATGGGATCGCGTCCATCTGGGCATGCTGCAGCTCGGGGTGAC
 GGCAAGACAAAGAAGCAGCTCTCCACGGTGATGCGATATAATGTAACCGAGTTGGTAAAGTCTGAAGA
 AGATCAACAAGGCTATTGTCTCCAAGAAAATAAAGACATTGTGACCGTGGCCAATGCTGTATTTCTCAG
 GAATGGCTTTAAAATGGAAGTGCCTTTTGCAAGTAAAGAAACAAAGATGTGTTTCAGTGTGAAGTGCAGAAT
 GTGAACCTCCAGGACCCAGCCTCTGCCTCTGAGTCCATCAATTTTGGGTCAAAAATGAGACCAGGGGCA
 TGATTGATAACCTGCTTTCCCAAATCTGATCGATGGTGCCTTACCAGGCTGGTCTCGTTAATGCAGT
 GTATTTCAAGGGTTTGTGGAAGTCTCGGTTTCAACCAGAGAGCACAAAGAAACGGACATTCGTGGCAGGT
 GATGGGAAATCCTACCAAGTACCATGTTGGCTCAGCTCTCTGTGTTCCGCTCAGGGTCTACCAGGACCC
 CGAATGGCTTATGGTACAACCTCATTGAGCTGCCTACCATGGTGAAGCATCAGCATGCTGATCGCCCT
 GCCAACAGAGAGCTCCACCCACTGTCTGCCATCATCCCTCACATCACTACCAAGACCATTGATAGCTGG
 ATGAACACCATGGTACCCAAGAGGATGCAGCTGGTCCACCAAGTTCACAGCTGTGGCACAACAGATG
 TGAAGGAGCCACTGAAAGCCCTTGGCGTTACTGAGATGTTTGAAGCCATCAAGGCAAAATTTACAAAAAT
 AACAAAGTTCAGAGAGCCTTCATGTCTCTCACATCTTGCAAAAAGCAAAAATTGAAGTCAAGTGAAGATGGA
 ACCAAAGCTTCGGCAGCAACAACTGCAATCCTAATTGCAAGGTCAACCTCCCTGGTTTATAGTAGACA
 GGCCTTCTGTTTTCCATCCGACACAATCCACAGGTGCCATCTTGTCTGGGCCAGGTGAACAAGCC
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206227 representing NM_009255
 Red=Cloning site Green=Tags(s)

MNWHFPFFILTTVTLYSVHSQFNLSLEELGSNTGIQVFNQIIKSRPHENVVSPHGIASILGMLQLGAD
 GKTKKQLSTVMRYNVNGVGKVLKINKAIVSKKNKDIVTANAVFLRNGFKMEVPPFAVRNKDVFQCEVQN
 VNFQDPASASESINFVWKNETRGMIDNLLSPNLIDGALTRLVLNAVYFKGLWKSRLFQPESTKKRTFVAG
 DGKSYQVPMLAQLSVFRSGSTRTPNGLWYNFIELPYHGESISMLIALPTESSTPLSAIIPHITTKTIDSW
 MNTMVPKRMQLVLPKFTAVAQTDLKEPLKALGVTEMFEPKANFTKITRSESLHVSHILQKAKIEVSEDG
 TKASAATTAAILIARSSPPWFIVDRPFLFSIRHNPTGAILFLGQVNKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009255

ORF Size: 1191 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_009255.2](#), [NP_033281.1](#)

RefSeq Size: 2152 bp

RefSeq ORF: 1194 bp

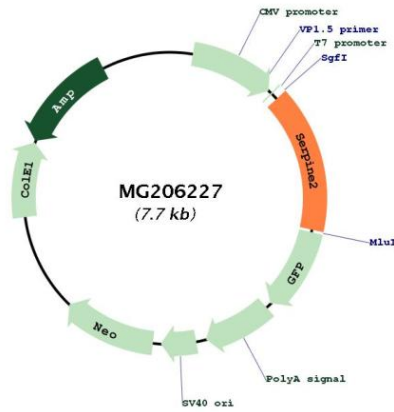
Locus ID: 20720

UniProt ID: [Q07235](#)

Cytogenetics: 1 40.97 cM

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 MG206227