

## Product datasheet for **MG206454**

### Serpini1 (NM\_009250) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpini1 (NM_009250) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpini1
Synonyms:	AI837402; Ns; PI-12; PI12; Spi17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206454 representing NM_009250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTTACCTTGGACTGCTTGGCTTGGCTTGGCCTTGCAAAGTGTGGTGACAGGGGCAACGTTCCAGATG  
AAACCATAACTGAGTGGTCAGTGAACATGTATAACCACCTTCGAGGCACCGGGGAAGATGAAAACATTCT  
CTTCTCTCCACTAAGCATTGCCCTTGGCATGGGAATGATGGAGCTTGGGGCTCAAGGATCTACTAGGAAA  
GAAATCCGCCATTCAATGGGATATGAGGGTCTGAAAGGTGGTGAAGAATTTCTTCTGAGGGATTTTT  
CTAATATGGCCTCTGCCAAGAAAACCAATATGTGATGAAACTTGCCAATTCGCTCTTTGTACAAAATGG  
ATTTTCATGTCAATGAGGAATTCCTGCAAATGTTGAAAATGTACTTAATGCAGAAGTCAATCATGTGGAC  
TTCAGTCAAAATGTGGCTGTGGCTAACTCCATCAATAAATGGGTGGAGAATTATACAAAACAGTCTGTTGA  
AAGATCTGGTGTCTCCGGAGGACTTTGATGGTGTCACTAATTTGGCCCTCATCAATGCTGTATATTTCAA  
AGGAAACTGGAAGTCTCAGTTTAGACCTGAAAATACCAGAATTTCTCCTTCACGAAAGATGATGAAAGT  
GAAGTGCAGATCCAATGATGTATCAACAAGGAGAATTTATTATGGTGAATTTAGTGATGGATCCAATG  
AGGCTGGCGGTATCTACCAAGTCCTTGAGATACCTATGAGGGAGATGAGATCAGCATGATGCTGGCACT  
GTCCAGACAGGAAGTCCCACTGGCCACACTGGAGCCTCTGCTCAAAGCACAGTGTATCGAAGAATGGGCA  
AACTCTGTGAAGAAACAAAAGGTGGAAGTGTACTTGCCAGTTCACTGTGGAACAGGAAATTTGATTTAA  
AAGACATCTTGAAAGCCCTTGGGGTCACTGAAATTTTCATCAAAGATGCAAATTTGACTGCCATGTCAGA  
TAAGAAAGAGCTGTTCTCTCCAAGCTGTTCAACAAGTCCTGCATTGAGGTTAATGAAGAAGGGTCAGAA  
GCCGCTGCAGCCTCCGGAATGATTGCGATTAGTAGGATGGCTGTGCTGTACCCTCAGGTTATTGTCGACC  
ATCCATTTCTCTATCTTATCAGGAACAGGAAATCTGGCATAATCTTATTCATGGGACGAGTCATGAACCC  
TGAACAATGAATACAAGTGGCCATGACTTTGAGGAACTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206454 representing NM\_009250  
 Red=Cloning site Green=Tags(s)

MTYLGLLALLALQSVVTGATFPDETITEWSVNMYNHLRGTGEDENILFSPLSIALAMGMELGAQGSTRK  
 EIRHSMGYEGLKGGEEFSLRDFSNMASAEENQYVMKLANSLFVQNGFHVNEEFQLMLKMYFNAEVNHVD  
 FSQNVAVANSINKWVENYTNLLKDLVSPEDFDGVTNLALINAVYFKGNWKSQFRPENTRTFSFTKDES  
 EVQIPMMYQQGEFYGFSDGSNEAGGIYQVLEIPYEGDEISMMLALSRQEVPLATLEPLLKAQLIEEWA  
 NSYKKQKVEVYLPRFTVEQEIDLKDKALGVTEIFIKDANLTAMSDKKELFLSKAVHKSCIEVNEEGSE  
 AAAASGMIAISRMAVLYPQVIVDHPFLYLIRNRKSGIILFMGRVMNPETMNTSGHDFEEL

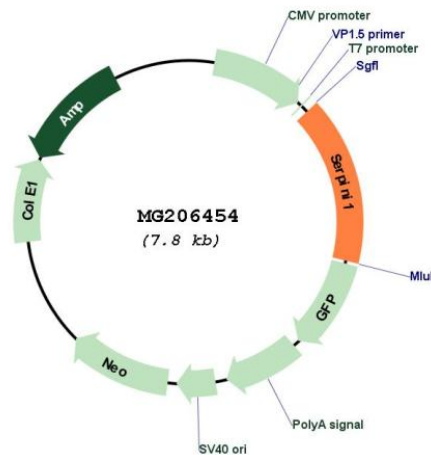
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_009250

<b>ORF Size:</b>	1230 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009250.1</a> , <a href="#">NP_033276.1</a>
<b>RefSeq Size:</b>	2944 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	20713
<b>UniProt ID:</b>	<a href="#">O35684</a>
<b>Cytogenetics:</b>	3 E3
<b>Gene Summary:</b>	Serine protease inhibitor that inhibits plasminogen activators and plasmin but not thrombin (PubMed:9364046, PubMed:11557034). May be involved in the formation or reorganization of synaptic connections as well as for synaptic plasticity in the adult nervous system. May protect neurons from cell damage by tissue-type plasminogen activator (Probable). [UniProtKB/Swiss-Prot Function]