

Product datasheet for **MG205822**

Serpib5 (NM_009257) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpib5 (NM_009257) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpib5
Synonyms:	1110036M19Rik; AI462524; AI646751; Maspin; ovalbumin; PI-5; Spi7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205822 representing NM_009257 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCCCTGAGACTGGCAAATTCAGCTTTTGCTGTTGACTTGTTCAAACAATATGTGAAAGGGACC
CAGCAGGAAACATTCTCTCTCCAATATGCCTCTACTTCTGTCCCTTGCACAAGTGGGCACCAA
AGGCGACACAGCAAATGAAATTGGACAGGTCCTTCATTTGAGAATGTCAAAGATGTACCCTTTGGGTTT
CAAACAGTCACTTCTGATGTTAATAAGCTCAGTCTTTTTACTCTTTGAACTTGTCAAGCGACTCTACA
TAGACAAATCCCTGAACCCTTACAGAAATTTATCAGTCTACCAAAGACCATATGCAAAAGAATTGGA
AACTGTTGACTTCAAAGACAACTGGAAGAAACGAAAGGTCAAATTAACAGCTCCATTAAGGAGCTCACA
GATGGCCACTTTGAGGACATTTTGTGAGAGAAGCAGTATAAGTGACCAGACCAAAATCCTTGTGGTTAATG
CTGCCTACTTTGTTGAAAGTGGATGAAGAAATTTCCGGAATCAGAAACAAAAGAATGTCCTTTGAGAA
CAGCAAGACAGACACCAAAACCCGTACAAATGATGAATCTTGAGGCCACTTTCTGCTTGGGTAACATTGAT
GACATCAGCTGTAAGATCATAGAATTCCTTTCCAGAATAAGCATCTGAGTATGCTCATTGTGCTCCCA
AGGACGTGGAGGATGAGTCCACAGGCCTGGAGAAGATTGAACAGCAACTCAACCCAGAAACATTGTTACA
GTGGACCAACCCAGTACCATGGCCAATGCCAAGTCAAATTTCCCTCCCAAAGTTTAAGGTAGAAAAG
ATGATTGATCCCAAGGCTAGTCTGGAAAGCCTAGGGCTGAAAAGTCTCTCAATGAAAGTACATCGGAT
TCTCTGGAATGTCAGAGACCAAGGAGTGCCTGTCAAATGTGATTCATAGAGTATGCCTAGAAATAAC
CGAAGATGGTGGTGAAGTCCATCGAGGTGCCAGGTCCTCGGATCTTACAGCACAAGGATGAATTCAATGCT
GACCATCCATTTATTTATATCATTAGACACAACAAAACCTGAAACATCATTTTCTTTGGCAAATTCGTT
CTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205822 representing NM_009257
 Red=Cloning site Green=Tags(s)

MDALRLANSFAVDL FKQL CERDPAGNILFSPICLSTSLSLAQVGTGKGDANEIGQVLHFENVKDVPFQF
 QTVTSDVNKLSSFYSLKLVKRLYIDKSLNPSTEFISSTKRPYAKELETVDFKDKLEETKGGQINSSIKELT
 DGHFEDILSENSISDQTKILVNAAAYFVGKWMKFPESKTCPCFRISKTDTKPVQMMNLEATFCLGNID
 DISCKIIELPFQNKHLSMLIVLPKDVEDESTGLEKIEQQLNPETLLQWTPSTMANAKVLSL PKFKVEK
 MIDPKASLESGLKSLFNSTSDFSGMSETKGVSLSNVIHRVCL EIT EDGGESIEVPGSRILQHKDEFNA
 DHPFIYIIRHNKTRNIIFFGKFCSP

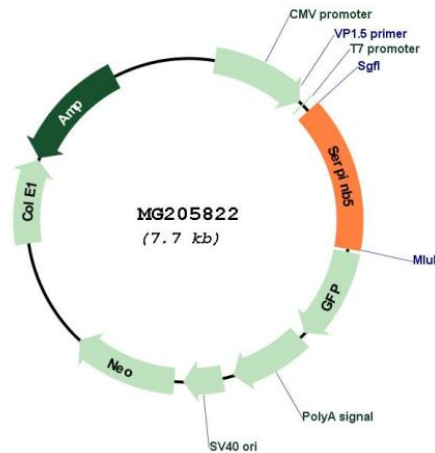
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009257

ORF Size:	1125 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_009257.2
RefSeq Size:	2565 bp
RefSeq ORF:	1128 bp
Locus ID:	20724
UniProt ID:	P70124
Cytogenetics:	1 E2.1
Gene Summary:	Tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity (By similarity). [UniProtKB/Swiss-Prot Function]