

## Product datasheet for MR205813

### Serpinb9 (NM\_009256) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinb9 (NM_009256) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpinb9
Synonyms:	BB283241; CAP-3; CAP3; ovalbumin; PI-9; PI9; Spi6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205813 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATACTCTGTCTGAAGGAAATGGCACCTTTGCCATCCATCTTTGAAGATGCTATGTCAAAGCAACC  
CTTCCAAAAATGTATGTTATTCTCCTGCGAGCATCTCCTCTGCTCTAGCTATGGTTCTCTGGGTGCAA  
GGGACAGACGGCAGTCCAGATATCTCAGGCACTGGTTTGAATAAAGAGGAAGGCATCCATCAGGGTTTC  
CAGTTGCTTCTCAGGAAGCTGAACAAGCCAGACAGAAAGTACTCTTTAGAGTGGCCAACAGGCTCTTTG  
CAGACAAAACCTTGTGAAGTCTCCAACCTTTAAGGAGTCTCTTCACTTCTATGACTCAGAGATGGA  
GCAGCTCTCCTTTGCTGAAGAAGCAGAGGTGTCCAGGCAACACATAAACACATGGGTCTCCAACAACT  
GAAGGTAATAATCCAGAGTTGTTGTCAGGTGGTCCGTCGATTCAGAAACCAGGCTGGTTCTCATCAATG  
CCTTATATTTAAAGGAAAGTGGCATCAACCATTTAAACAAAGAGTACACAATGGACATGCCCTTTAAAT  
AAACAAGGATGAGAAAAGGCCAGTGCAGATGATGTGTCGTGAAGACACATATAACCTCGCCTATGTGAAG  
GAGGTGCAGGCGCAAGTGTGTTGATGCCATATGAAGGAATGGAGCTGAGCTTGGTGGTTCTGCTCCAG  
ATGAGGGTGTGGACCTCAGCAAGGTGAAAACAATCTCACTTTGAGAAGTTAACAGCCTGGATGGAAGC  
AGATTTTATGAAGAGCACTGATGTTGAGGTTTTCTTCCAAAAATTTAACTCCAAGAGGATTATGACATG  
GAGTCTCTGTTTCAGCGTTGGGAGTGGTGGATGCTTCCAAAGAGGACAAGGCTGACTTATCAGGAATGT  
CTCCAGAGAGAAAACCTGTGTGTCCAAGTTTGTTCACCAAGAGTGTAGTGGAGATCAATGAGGAAGGCAC  
AGAGGCTGCAGCAGCCTCTGCCATCATAGAATTTTGTGTGCCTTCTGTGCCAACATTCTGTGTGCAC  
CACCCCTTCTTTTCTTCATCAGGCACAACAAAGCAAACAGCATCTGTCTGTGGCAGGTTCTCATCTC  
CA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205813 protein sequence  
 Red=Cloning site Green=Tags(s)

MNTLSEGNFTFAIHLKMLCQSNPSKNVCYSPASISSALAMVLLGAKGQTAVQISQALGLNKEEGIHQGF  
 QLLLRKLNKPKDRKYSRLRVANRLFADKTCEVLQTFKESLHFYDSEMEQLSFAEEAEVSRQHINTWVSKQT  
 EGKIPPELLSGGSVDSETRLVLINALYFKGKWHQPFNKEYTMDMPFKINKDEKRPVQMMCREDTYNLAYVK  
 EVQAQVLVMPYEGMELSLVLLPDEGVDSLKVENNLTFEKLTAWMEADFMKSTDVEVFLPKFKLQEDYDM  
 ESLFQRLGVVDVFQEDKADLSGMSPERNLCSKFFVHQSVVEINEEGTEAAAASAIIEFCCASSVPTFCAD  
 HPFLFFIRHNKANSILFCGRFSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_009256

**ORF Size:** 1125 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\_009256.3, NP\_033282.1

**RefSeq Size:** 3397 bp

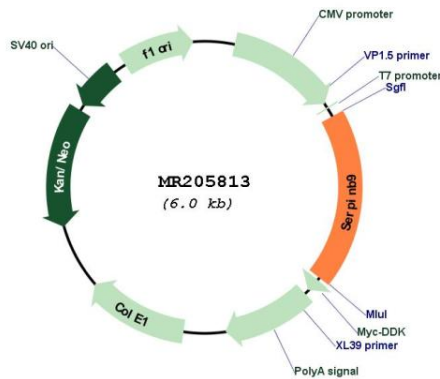
**RefSeq ORF:** 1125 bp

**Locus ID:** 20723

**Cytogenetics:** 13 13.79 cM

**MW:** 42.3 kDa

**Product images:**



Circular map for MR205813