

Product datasheet for **MG206511**

Serpina1a (BC011040) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina1a (BC011040) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpina1a
Synonyms:	PI1, Spi1-3, Dom1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206511 representing BC011040 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTCCCTCCATCTCATGGGGTCTACTGCTTCTGGCAGGCCTGTGTTGCCTGGTCCCCAGCTTTCTGG
CTGAGGATGTTTCAGGAGACAGACACCTCCAGAAGGATCAGTCCCAGCCTCCCATGAGATCGCTACAAA
CCTGGGAGACTTTGCAATCAGCCTATACCGGGAGCTGGTCCATCAGTCCAACACTTCCAACATCTTCTTC
TCCCCAGTGAGCATTGCCACAGCCTTTGCTATGCTCTCCCTAGGGAGCAAGGGTGACACTCACACGCAGA
TCCTAGAGGGCCTGCAGTTCAACCTCACACAAACATCGGAGGCTGACATCCACAAGTCTTCCAACACCT
CCTCCAAACCCTCAACAGACCAGACAGTGAGCTGACGCTGAGCAGGCAATGGCCTCTTTGTCAACAAT
GACCTGAAGCTGGTGGAGAAGTTTCTGGAAGAGGCCAAGAACCATTATCAGGCAGAAGTCTTCTGTCA
ACTTTGCAGAGTCAGAGGAGGCCAAGAAAGTGATTAATGATTTTGTGGAGAAGGGAAACCAAGGAAAGAT
AGCTGAGGCGGTGAAAAAAGTGGACCAAGACACAGTTTTCGCCCTGGCAAATTACATTCTCTTAAAGGC
AAATGGAAGAAGCCATTCGATCCTGAGAACACTGAGGAAGCTGAGTTCACGTGGACGAGTCCACCACGG
TGAAGGTGCCATGATGACCCTCTCGGGCATGCTTGTATGTGCACCATTGCAGCACGCTGTCCAGCTGGGT
GCTGCTGATGGATTATGCAGGCAATGCCACTGCTGTCTTCTTCTGCCCGATGATGGGAAGATGCAGCAT
CTGGAGCAAACCTCAGCAAGGAGCTCATCTAAGTTCCTGCTAAACAGGCGCAGAAAGTTAGCCGAGA
TCCACTTCCCAGACTGTCCATCTCTGGAGAATAAAGTGAAGACACTCATGAGTCCACTGGGCATCAC
CCGGATCTTCAACAATGGGGCTGACCTCTCCGGAATCACAGAGGAGAATGCTCCCCTGAAGCTCAGCCAG
GCTGTGCATAAGGCTGTGCTGACCATCGATGAGACAGGAACAGAAGCTGCAGCAGTTACAGTCTTACAAA
TGGTTCCTATGTCTATGCCCCCTATCCTGCGCTTCGACCACCTTTCTTTTCATAATTTGAAGAACA
CACTCAGAGCCCCATCTTTGTGGAAAAGTGGTAGATCCACACATAAA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206511 representing BC011040
 Red=Cloning site Green=Tags(s)

MTPSISWGLLLL LAGL CCLVPSFLAEDVQETDTSQKQDQSPASHEIATNLGDF AISLYREL VHQSNTSNIFF
 SPVSIATAFAMLSL GSKGDHTHTQILEGLQFNLTQTSEADIHKS FQHLLQTLNRPDSELQLSTGNGLFVNN
 DLKLVKFL EEAKNHYQAEVFSVNFAESEEAKKVINDFVEKGTQGKIAEAVK KLDQDQTVFALANYILFKG
 KWKKPFDPE NTEEA EFHVDESTTVKVPMTLSGMLDVHHCSTLSSWVLLMDYAGNATAV FLLPDDGKMQH
 LEQTL SKELISKFLLNRRRRLAQIHF PRLSISGEYNLKTLMSP LGITRIFNNGADLSGITEENAPL KLSQ
 AVHKAVL TIDETGTEAAA VTLQMVPMSP PPI LRFDHPFLFIIFEHTQSPI FVGKVVDP THK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC011040

ORF Size: 1239 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC011040](#), [AAH11040](#)

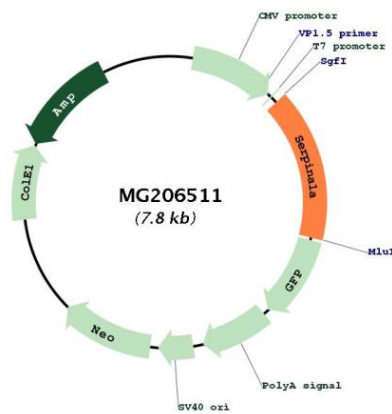
RefSeq Size: 1383 bp

RefSeq ORF: 1241 bp

Locus ID: 20700

Cytogenetics: 12 52.98 cM

Product images:



Circular map for MG206511