

Product datasheet for **MG215527**

Serpina3j (NM_001101472) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Serpina3j
Synonyms:	A1506554; EG238395; Gm4931
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215527 representing NM_001101472
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTTCATTGCAGCTCTGGGGCTCTTGATGGCTGGGATCTGCCCTGTCTGTCTCTGCTGTCCAGAGG
ACACATTAGGAAAGCAGACTCCAGTCCAGAAAGACAGAGACCATGAAACACAACCTGGACAGTCTTACATT
GGCCTCCATCAACTGACTTTGCCTTCAGCCTCTACAAGAAGCTGGCTTTGAAGAATCCACATAAAAAAT
TTTGTCTTCTCCCACTTAGCATCACAATTGCCTTGGCCTCCCTGTCCCTGGGAGCAAAGGGCAACTC
TGGAAAGAGATTCTAGAAGTCTCAAGTTCAATCTGACAGAGACCCCTGAGGCAGACATCCACCAGGGCTT
TGGGCACCTCTACAGAGGCTCAGTCAGCCAGGGGACCAGGTACAGATCAGCACAGGCAATTCATGTT
GTTGAAAAGCACCTGCAGATCCTGGCAGAGTTCAAGGAGAAGGCAAGGGCTTTGTACCACACTGAGGTCT
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TTTAACGGTAAATGGAACATGACATTTGACCTTATGAAACGTTTATGGGGACATTCATAGAGGACAGGA
GGACACCCGTGAAGGTGCCATGATGAAAATGAAGGAACTGAGGGCACCCTACTTCCGGGATGAGAAAAT
GAAATGCACCTGTGGTGGAGCTGAAC TACAAGGCAATGGCAAGGCCATGTTTCATCCTCCCTGACCAGGGC
AAGATGAAGCAGGTGGAAGCCAGCTTACAACCAGCAACTCTGAGGGGATGGAGGAAAATCTTTGAGGCCCA
GGATGATAGATGAGCTCTACCTACCCAAGTTCTCCATATCCAAAACTACAGACTGGAGAACATCCTTCC
AGAAGTGGGTATCAAGGAAGTCTTCCACACAGGCTGACCTGTCAGGGATTTTCAGGAGGCAAGGATGTA
AGAGTCTCTCGGATGTTTACACAGCGCTGCGCTGGACATGACTGAGACAGGCACAGAAGCCCGTGCCACCA
CAAGAGACAAATGACTTCTGTCCACTAAAAGCAACCCTACAGTTGTTAACCTTAACACACCATTCTCT
GTTCTGTGTTTTACTCAGATTCTGAGAATATCGACTTTATGGGCAAGATCAACAACCCTGCACAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



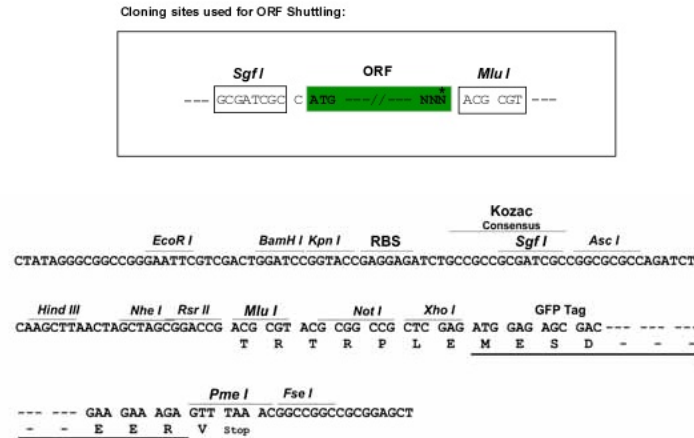
Protein Sequence: >MG215527 representing NM_001101472
 Red=Cloning site Green=Tags(s)

MAFIAALGLLMAGICPAVLCCPEDTLGKHTPVQKDRDHETQLDSLTLASINTDFAFSLYKKLALKNPHKN
 FVFSPLSITIALASLSLGAAGNTLEEILEGLKFNLTETPEADIHQGFHLLQRLSQPGDQVQISTGNSMV
 VEKHLQILAEFKEKARALYHTEVFTADFQQPREARKLLNDYVSNQTQGMIKELVSDLEERTSMVMTNFAL
 FNGKWNMTFDPYETFMTGTFIEDRRTPVKVSMKMKELRAPYFRDEKMKCTVVELNYKNGKAMFILPDQG
 KMKQVEASLQPATLRGWRKSLRPRMIDELYLPKFSISKNYRLENILPELGIKEVFSTQADLSGISGGKDV
 RYSRMFHSAAALDMTETGTEARATTRDKYDFLSTKSNPTVVNLNTPFLFCVLHSDSENIDFMGINPAQN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001101472

ORF Size: 1260 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: [NM_001101472.2](#), [NP_001094942.1](#)

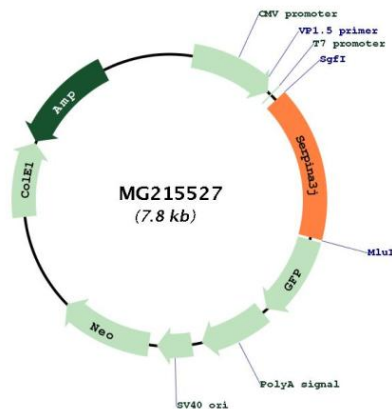
RefSeq Size: 1999 bp

RefSeq ORF: 1263 bp

Locus ID: 238395

Cytogenetics: 12 E

Product images:



Circular map for MG215527