

Product datasheet for **MG215264**

Serpinb3b (NM_198680) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Serpinb3b
Synonyms:	Scca2-rs; Scca2-rs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215264 representing NM_198680
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTCGTTTTTCATGCAGCTGATGTTAAATTCGCAGTTGAAATGTACAGGCAACTCAGAGAATCAGACA
AGAACATTTTCTATTCCCGATCAGCATGATGACAGCATTAGCAATGCTCCAGCTTGAGCCAAAGGAAA
CACTGAAATACAAATTGAGAAGGTTCTTCAATTCATTGAAACCACCAAGAAGACAACAAAAAATCTGAA
CACTGCGATGATGAAGAAAATGTCCATGAACAATTTCAAAGCTTATAACTCAGTTAAACAAATCCAATG
ATGATTATGACCTGAAGGCTGCCAACAGTATCTATGGAGCAAAGGGTTTCCCATTTCTCCAGACATTTT
GGAAGACATTAAGGAATATTATCAAGCTAAGGTGGAATCACTGGATTTGAAACATGCAACAGAAAGAGAGC
GAAAAGAAGATTAATTCCTGGGTGAAAGCAAACAAATGGAAAAATCAAAGACTTATTTCTAGTGGGA
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TGATGAAAACCATACAAGAGAAGAAAAGTTTTGGCTGAACAAGAACACAAGTAAACCTGTCAGATGATG
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ACTCACTACTGACAAATTAAGTAGAGTGGATAAAAAGCAGAAAACATGCATTTGACTGAGTTGATTTATCT
TTGCCTCGGTTCAAAGTGGAAGAGAAGTATGACCTCCAAGTTCATTGGAACACATGGGGATGGTCCGAGC
CCTTTGATCCACAGAAGGCTGACTTCTCTGGCATGAGCAGCATTCCAGGCTTTGTGGTGTCTAAAGTTTT
ACACAAGTCTTTGTGGAGGTGAATGAAGAGGGAACAGAAGCTGCTGCTGCCACAGGAGTGGAAAGTCAGT
GTAAGATCAGCACAGATAGCAGAAGATTTCTGTTGTGATCATCCATTCTTCTCATCATTACAGAA
TGACCAACAGCATCCTCTCTTTGGCAGAATCTCTCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



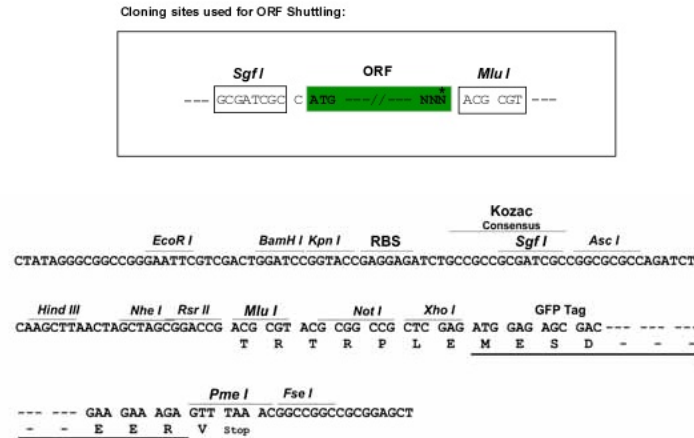
Protein Sequence: >MG215264 representing NM_198680
 Red=Cloning site Green=Tags(s)

MIRFHAADVKFAVEMYRQLRESDKNIFYSPISMMTALAMLQLGAKGNTEIQIEKVLQFIETTKTKKSE
 HCDDEENVHEQFQKLITQLNKSNDYDLKAANSIYGAKGFPFLQTFLEDIKEYYQAKVESLDFEHATEES
 EKKINSWVESKTNGKIKDLFPSGSLSSSTILVLVNAVYFKGQWNRKFDENHTREEKFWLNKNTSKPVQMM
 KQRNKFNFSLGDVHAQIVEIPYKGDLSMFVLLPMEIDGLKQLEEQLTTDKLLEWIKAE NMHL TEL YLS
 LPRFKVEEKYDLQVPLEHMGMDAFDPQKADFSGMSSIPGLVSVKVLHKSFVEVNEEGTEAAAATGVEVS
 VRSAQIAEDFCCDHPFLFFIIHRMTNSILFFGRISSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198680

ORF Size: 1161 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_198680.2](#), [NP_941373.1](#)

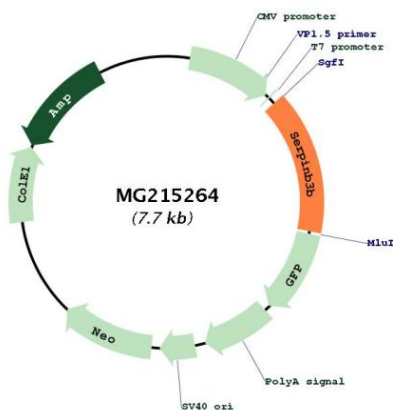
RefSeq Size: 1632 bp

RefSeq ORF: 1164 bp

Locus ID: 383548

Cytogenetics: 1 E2.1

Product images:



Circular map for MG215264