

Product datasheet for **MR206042**

Serpinb3a (NM_009126) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinb3a (NM_009126) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpinb3a
Synonyms:	1110001H02Rik; 1110013A16Rik; Scca2; Serpinb4; Sqn5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206042 representing NM_009126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATTTGTTTGCTGAAGCCACTACTAAATTCACACTTGAGCTGTACAGGCAGCTCAGAGAATCAGATA
 ACAACATTTTCTATTCCTCGATCAGCATGATGACAGCATTAGCAATGCTCCAGCTTGGAGCCAAAGGAAA
 CACTGAAAAACAAATTGAGAAGTTCTTCAATTCAATGAAACCACCAAGAAGACAACAGAAAAATCTGCA
 CACTGCCATGATGAAGAAATGTTTCATGAACAATTTCAAAGCTTATGACTCAGTTAAACAAATCCAATG
 ATGCTTATGATCTAAAGGCTGCCAACAGTATCTATGGAGCAAAGGTTTCCATTTGTCCAGACATTTTT
 GGAAGACATTAAGGAATATTATCAAGCTAACGTGGAATCACTGGATTTGGAACATGCAGCAGAAGAGAGT
 GAAAAAGAGATTAATTCCTGGGTAGAAAGCCAAACAAATGGAAAAATCAAGGACTTATTTCTAATGGGA
 GCCTGAACAGGAGCACTATAATGGTTCTGGTGAATGCAGTGATTTCAAAGGACAATGGAACCACAAATT
 TGATGAAAAGCATACCACAGAAGAAAAGTTTGGCTGAACAAGAACAAGTAAACCTGTCCAGATGATG
 AAACAAAACATCGAATTTAACTTCATGTTTCTGGAGGATGTGCAGGCCAAGATTGTGGAATACCATACA
 AAGGCAAAGAGCTAAGTATGATTGTCTGTTGCCAGTGGAAATCAATGGTCTGAAGCAGCTTGAAGAACA
 ACTCACTGCTGACAAGTTACTGGAGTGGACAAGAGCAGAAAACATGCATATGACCGAGTTGTATTTATCT
 TTGCCTCGTTCAAAGTGGATGAGAAGTATGACCTCCCAATTCATTGGAACACATGGGAATGGTCGATG
 CCTTTGATCCACAGAAGGCTGACTTCTCTGGTATGAGCAGCACTCAAGGTCTTGTGGTGTCTAAAGTTTT
 ACACAAGTCCTTTGTGGAGGTGAATGAAGAGGGAACAGAAGCTGCTGCTGCAACAGGTGTGGAAGTCAGT
 TTAACATCAGCACAGATAGCAGAAGATTCTGTTGTGATCATCCATTCTATTCTTCATCATTACAGAA
 AAACCAACAGCATCCTCTCTTTGGCAGAATCTCTCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >MR206042 representing NM_009126
 Red=Cloning site Green=Tags(s)

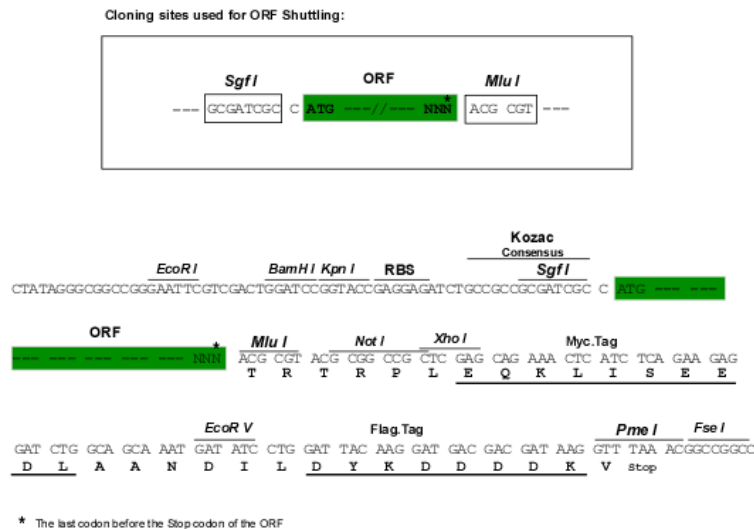
MHLFAEATTKFTLELYRQLRESNINFYSPISMMTALAMLQLGAKGNTEKQIEKVLQFNETTKTTEKSA
 HCHDEENVHEQFQKLMTQLNKSNDAYDLKAANSIYGAKGFPFVQTFLEDIKEYYQANVESLDFEHAAEES
 EKKINSWVESQTNQKIKDLFPNGSLNRSTIMVLNAVYFKGQWNHFKDEKHTTEKFVWLNKNTSKPVQMM
 KQNIIEFNFMFLEDVQAKIVEIPYKGKELSMIVLLPVEINGLKQLEEQLTADKLEWTRAENMHMTELYLS
 LPRFKVDEKYDLPIPLEHMGMDAFDPQKADFSGMSSTQGLVSVKVLHKSFEVNEEGTEAAAATGVEVS
 LTSAQIAEDFCCDHPFLFFIIHRKTNSILFFGRISSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009126

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_009126.3](#), [NP_033152.3](#)

RefSeq Size: 1629 bp

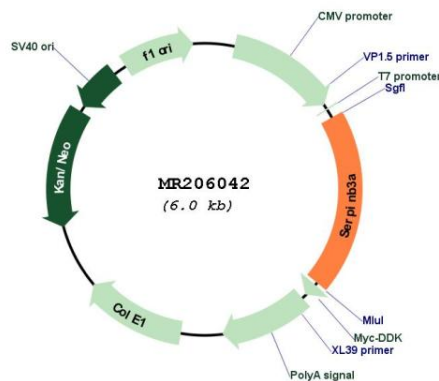
RefSeq ORF: 1164 bp

Locus ID: 20248

Cytogenetics: 1 E2.1

MW: 44.9 kDa

Product images:



Circular map for MR206042