

Product datasheet for MR206715

Serpina3a (BC063325) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina3a (BC063325) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpina3a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206715 representing BC063325 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCTTCATTGCAGCTCTGGGGCTCCTGATGGTGGGGATCTGTCTGCTGTACCTACTGGGCAACTG
CAGATGGGCAACTGGGAGGGCACACTGCAGTCCAGAAAGACAGAGACCATGAAATACAACCTGGACAGTGT
CACACTGGCTTCCATCAACACTGACTTTGCCTTCAGCCTCTACAAGAAGCTGGCTTTGGAGAATCCACAT
AAAAATATTGTCTTCTCCCACTTAGCATCTCAGCTGCCTTGGCCCTCATGTCCCTGGGAGCAAAGGGCA
ACACCCTGGGAAGAGATTCTAGAAGGTCTCAAGTTCAATCTCCAGAGACCCCTGAGGCAGACATCCACCA
GAACTTTGGGCACCTCCTACAAATGCTCATTACGCCAGAGAACCAGGTTTCAGATCAATGCAGGCAACGCC
CTGTTTATTGATAAGCACCTGCAGATCTTGACAGAGTTCAAGGAGAAGGCAAGGGCTCTGTACAAGGCTG
AGGCCTTCACAACAGACTTCAGCGGCCTCGTGAGGCCACAAAGCTCATCAATGACTATGTGAGGAAACA
GACCCAGGGGAAGATCAAGGAAGTGGTCTCAGACCTGCATAGGAACACATCCATGGCACTAGTGAATTC
CTCAACTTTCAAGGCTTTTGAACGTGACTTTGACCCTGAAGACACGTTCTCTGGGAAATTTACATTGG
ATAGGAAGAGGACAGTGAACGTGCCATGATGAAAACCGAGGAGCTAACCACAACTACTCCGGGACGA
GGAGATGCAAAGCACTGTGGTGGAGCTGAATTACATAGGCAATGCCAGCTTCTGTTATCCTCCTGAC
CAGGGCAGGATACAGCACGTGGAAGATAGCTTGAACCCAGTCTCTGAGGAAATGGAGGAAATCTTTGA
GACCCAGGATGCTAGATGAACCTCCCTGCCCAAGTTCTCCTTATCACAAGACTACAACCTAAATGACAT
CCTTCCAGAGCTGGGTATCAAGGAAGTCTTCTCCACACAGGCTGACCTGTCTGGGATCACTGGAGCCAAA
AATATAAGAGTCTCTCAGATGATCCACCAGGCTGCGCTGGATGTTACCGAGACACACAGAAGCAGATG
TCATCACAATAGCCCGATATAACTTCCAATCTGCAAAAATTAAGGCTAAAATTGTTAAGGTGGACAGGGA
ATTCTTGACCTTATTTAGACCAATGTTTAAGAGTATTAGCGTTATGGGTAAGGTTATCAACCTTTA
ACAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR206715 representing BC063325
Red=Cloning site Green=Tags(s)

MAFIAALGLLMVGICPAVITYWATADGQLGGHTAVQKDRDHEIQLDSVTLASINTDFASLYKKLALENPH
KNIVFSPLSISAALALMSLGAKGNTLEEILEGLKFNLPETPEADIHQNFHLLQMLIQPENQVQINAGNA
LFIDKHLQILTEFKEKARALYAEAFITDFQRPREATKLINDYVRKQTQGKIKELVSDLHRNTSMALVNF
LNFQGFVNVTDFPEDTFLGNFTLDRKRTVNVPMMKTEELTTNYFRDEEMQSTVVELNYIGNASFLFLPD
QGRIQHVEDSLQPQSLRKWRKSLRPRMLDELSLPKFSLSQDYNLNDILPELGIKEVFSTQADLSGITGAK
NIRVSQMIHQAAALDVTETHTEADVITIARYNFQSAKIKAKIVKVDFRELYLILDPMFKSISVMGKVINPL

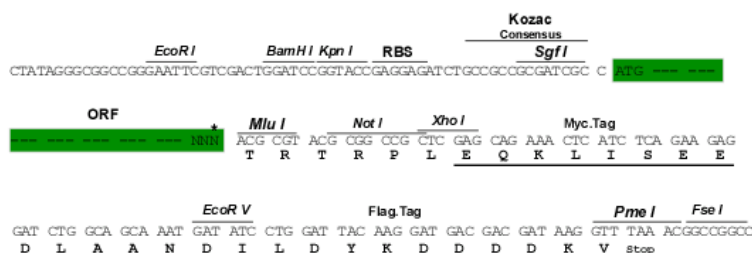
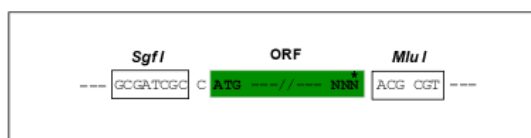
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9061_d10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC063325

ORF Size: 1266 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: [BC063325.1](#)

RefSeq Size: 1994 bp

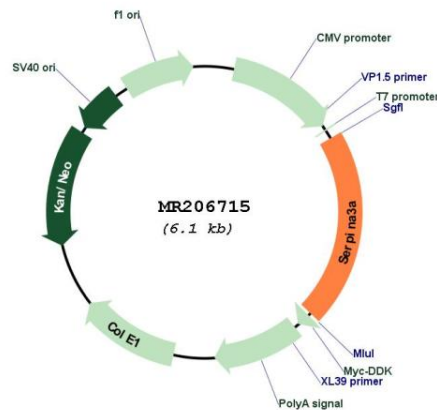
RefSeq ORF: 1268 bp

Locus ID: 74069

Cytogenetics: 12 E

MW: 47.7 kDa

Product images:



Circular map for MR206715