

Product datasheet for MR206511

Serpina1a (BC011040) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina1a (BC011040) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpina1a
Synonyms:	PI1, Spi1-3, Dom1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206511 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTCCCTCCATCTCATGGGGTCTACTGCTTCTGGCAGGCCTGTGTTGCCTGGTCCCCAGCTTTCTGG
CTGAGGATGTTCCAGGAGACAGACACCTCCAGAAGGATCAGTCCCAGCCTCCCATGAGATCGCTACAAA
CCTGGGAGACTTTGCAATCAGCCTATACCGGGAGCTGGTCCATCAGTCCAACACTTCCAACATCTTCTTC
TCCCCAGTGAGCATTGCCACAGCCTTTGCTATGCTCTCCCTAGGGAGCAAGGGTGACACTCACACGCAGA
TCCTAGAGGGCCTGCAGTTCAACCTCACACAAACATCGGAGGCTGACATCCACAAGTCTTCCAACACCT
CCTCCAAACCCTCAACAGACCAGACAGTGAAGTGCAGCTGAGCAGGCAATGGCCTCTTTGTCAACAAT
GACCTGAAGCTGGTGGAGAAGTTTCTGGAAGAGGCCAAGAACCATTATCAGGCAGAAGTCTTCTGTCA
ACTTTGCAGAGTCAGAGGAGGCCAAGAAAGTGATTAATGATTTTGTGGAGAAGGGAAACCAAGGAAAGAT
AGCTGAGGCGGTGAAAAAAGTGGACCAAGACACAGTTTTCGCCCTGGCAAATTACATTCTCTTAAAGGC
AAATGGAAGAAGCCATTCGATCCTGAGAACACTGAGGAAGCTGAGTTCACGTGGACGAGTCCACCACGG
TGAAGGTGCCATGATGACCCTCTCGGGCATGCTTGTATGTCACCATTGCAGCACGCTGTCCAGCTGGGT
GCTGCTGATGGATTATGCAGGCAATGCCACTGCTGTCTTCTTCTGCCCGATGATGGGAAGATGCAGCAT
CTGGGCAAACTCTCAGCAAGGAGCTCATCTAAGTTCCTGCTAAACAGGCGCAGAAGGTTAGCCCGAGA
TCCACTTCCCAGACTGTCCATCTCTGGAGAATAAAGTGAAGACACTCATGAGTCCACTGGGCATCAC
CCGGATCTTCAACAATGGGGCTGACCTCTCCGGAATCACAGAGGAGAATGCTCCCCTGAAGCTCAGCCAG
GCTGTGCATAAGGCTGTGCTGACCATCGATGAGACAGGAACAGAAGCTGCAGCAGTTACAGTCTTACAAA
TGGTTCCTATGTCTATGCCCCCTATCCTGCGCTTCGACCACCTTTCTTTTCATAATTTGAAGAACA
CACTCAGAGCCCCATCTTTGTGGAAAAGTGGTAGATCCACACATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206511 protein sequence
 Red=Cloning site Green=Tags(s)

MTPSISWGLLLLAGLCCLVPSFLAEDVQETDTSQKQSPASHEIATNLGDF AISLYREL VHQSNTSNIFF
 SPVSIATAFAMLSLGSKGDHTHTQILEGLQFNLTQTSEADIHKS FQHLLQTLNRPDSELQLSTGNGLFVNN
 DLKLVKFL EEAKNHYQAEVFSVNFAESEEAKKVINDFVEKGTQGKIAEAVK KLDQDQTFALANYILFKG
 KWKKPFDPE NTEEA EFHVDESTTVKVPMTLSGMLDVHHCSTLSSWLLMDYAGNATAVFLLPDDGKMQH
 LEQTL SKELISKFLLNRRRRLAQIHFPRLSISGEYNLKTLMSP LGITRIFNNGADLSGITEENAPLKL SQ
 AVHKAVL TIDETGTEAAA VTLQMPMSMPPILRFDHPFLFIIFEHTQSPIFVGKVVDPTHK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

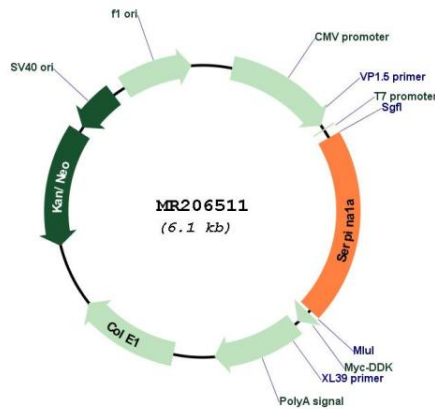
RefSeq ORF: 1241 bp

Locus ID: 20700

Cytogenetics: 12 52.98 cM

MW: 46 kDa

Product images:



Circular map for MR206511