

Product datasheet for **MR206615**

Serpina3k (NM_011458) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina3k (NM_011458) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpina3k
Synonyms:	1300001I07Rik; contrapsin; D12Rp54; MMCM2; MMSpi2; RP54; Spi-2; Spi2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206615 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTCATTGTAGCTATGGGGATGATCTTAATGGCTGGAGTCTGTCCTGCTGTCTATGCTTCCCAG
ATGGCACAAAGGAAATGGACATTGTATTCCATGAACACCAAGACAATGGGACACAAGATGACAGTCTCAC
ATTGGCCTCCGTCAACTGACTTTGCCTTCAGCCTGTACAAGAAGCTGGCTTTGAAGAATCCAGATACA
AATATTGTCTTCTCCCCTTAGCATCTCAGCTGCCTTGGCCCTTGTGTCCTGGGAGCAAAGGGCAAGA
CCATGGAAGAGATTCTAGAAGGCCTCAAGTTCAATCTCACAGAGACCCCTGAAGCAGACATCCACCAGGG
CTTTGGCAACCTCTACAGAGTCTCAGCCAGCCAGAAGACCAGGATCAGATAAACATAGGCAATGCCATG
TTTATTGAAAAGGACCTGCAGATCCTGGCAGAATTCCATGAGAAGACAAGGGCTCTGTACCAGACTGAGG
CCTTCACAGCAGACTTCCAGCAGCCTACTGAGGCCAAAAACCTCATCAATGACTATGTGAGCAATCAGAC
CCAGGGAAATGATCAAGGAACTCATCTCAGAAGTGGATGAGAGGACATTGATGGTGTGGTGAATTACATC
TACTTTAAAGGCAAAATGGAAGATATCCTTTGACCCCAAGGACACATTTGAGTCTGAGTCTACTTGGATG
AGAAGAGATCTGTGAAGGTTCCCATGATGAAAAATGAAGTACTGACCACACGCCACTTCCGTGATGAGGA
GCTATCGTGCTCTGTGTGGAGCTGAAGTACACAGGAAATGCCAGCGCCCTGCTCATCCTCCCTGACCAG
GGCAGGATGCAGCAGGTGGAAGCCAGCTTACAACCAAGAGACCCCTGAGGAAATGGAGGAAAATTTGTTTC
CCAGCCAAATAGAGGAGCTAAACCTGCCAAGTTCTCCATCGCTAGTAACACTACAGGCTGGAGGAGGATGT
CCTTCCAGAAATGGGGATTAAGGAAGTCTTACCAGAAAGTGTGACCTATCTGGGATCACAGAAACCAAG
AAACTGAGTGTGTCTCAGGTGGTCCACAAGGCTGTGCTGGATGTGGCTGAGACAGGCACAGAAGCAGCTG
CTGCCACAGGGTTATTGGTGGCATTCTGAAGGCCATATTACCAGCTGTGCATTTCAACAGGCCATTCTCT
GTTTGTATCTATCACACAAGTGCTCAGAGTATCCTCTTTATGGCCAAAGTCAATAACCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206615 protein sequence
 Red=Cloning site Green=Tags(s)

MAFIVAMGMILMAGVCPAVLCFPDGTKEMDIVFHEHQDNGTQDDSLTLASVNTDFAFSLYKKLALKNPDT
 NIVFSPLSISAALALVSLGAKGKTMEEILEGLKFNL TETPEADIHQGFGNLLQSLSQPEDQDQINIGNAM
 FIEKDLQILAEFHEKTRALYQTEAFTADFQQPTEAKNLINDYVSNQTQGMIKELISELDERTLMVLVNYI
 YFKGKWKISFDPQDTFESEFYLDEKRSVKVPMKMKLLTTRHFRDEELSCSVLELKYTGNASALLILPDQ
 GRMQQVEASLQPETLRKWRKTLFPSQIEELNLPKFSIASNYRLEEDVLPENGIKEVFTEQADLSGITETK
 KLSVYSQVVHKAVLDVAETGTEAAAATGVIGGIRKAILPAVHFNRPFLFVIYHTSAQSILFMAKVNNPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011458

ORF Size: 1257 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.

RefSeq: [NM_011458.1](#), [NP_035588.1](#)

RefSeq Size: 1652 bp

RefSeq ORF: 1257 bp

Locus ID: 20714

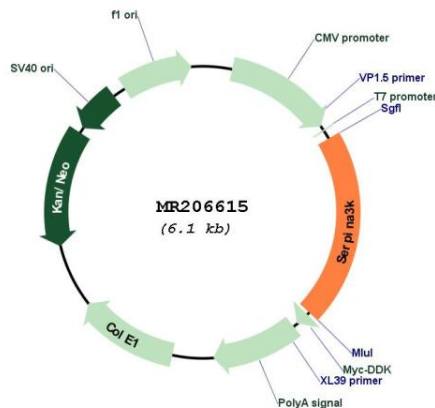
UniProt ID: [P07759](#)

Cytogenetics: 12 53.99 cM

MW: 46.9 kDa

Gene Summary: Contrapsin inhibits trypsin-like proteases.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206615