

Product datasheet for MR206224

Serpina6 (NM_007618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina6 (NM_007618) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpina6
Synonyms:	Cbg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206224 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTCGCCCTGTATACCTGTCTCTTCTGGCTCTGCACCAGTGGCCTCTGGACCACCCAGGCTGTCA
CTGATGAGGATCAAGTTCTCACCGAGACTGGCTCCACCAATGTTGACTTTCCTTCACTTGTACAA
ACGCCTAGTGGCCCTGAATTCTGACAAGAATACCTTAATCTCCCCAGTGGCCTCCATGGCCCTGGCC
ATGCTGTCCCTAAGCACCAGGGCTCCACCCAGTATCTCGAGAACCTGGGCTTCAACATGTCAAAGATGT
CTGAAGCTGAGATCCACCAGGTTTCCAGTACCTCAATTCCTTCTCCAGCAGTCTGACTGGCTTGG
GATGAACATGGGCAATGTCATGTTCCCTCCTCCAGAACCTAAAGCTGAAAGACTCATTCTTAGCAGACACC
AAACACTATTATGAGTCAGAGGCCCTTGACCATCCCTTCCAAGGACTGGACTAAAGCCGGGCAACAGATCA
ACAATCATGTGAAGAATAAGACACAGGGGAACTTGAGCATGTGGTCTCAGACCTGGATAGTTTCAGCCAC
CCTCATCTGTCAACTACATCTTCTCAAAGGAATATGGAACTTCCCTTCCAGCCAGAAAACTAGTA
GAGGAGGACTTCTATGTGAATGAGACAAGCACAGTGAAGGTGCCATGATGGTCCAGTCAGGCAACATTA
GTTACTTTCGTGATTCGGCGATCCCTGCCAGATGGTACAGATGAATTATGTGGGAAATGGAACACCTT
CATCATTCTTCCAGACCAGGGCCAGATGGACACTGTGTCGCTGCACTTAATCGGGACACAATTGATAGG
TGGGGCAAGCTTATGATTCCAAGGCAGATGAACCTGTACATCCCCAAATCTCCATGTCTGATACCTATG
ACCTTCAAGATGTGCTGGCAGATGTGGGCATTAAGGATTTGTTCCACCAACCAATCTGATTTGGCAGACAC
CACCAAAGACACTCCCTTACATTAACGGTACTCCACAAGGCCATGCTGCAACTGGATGAAGGGAATGTG
CTGCCTGCTGCCCAATGGCCCTCCTGTACACCTGCCCTCCGAATCATTACCCTCAAGTACAACAGGC
CCTTCATCTTCTGGCCTTTGACAAGTACACATGGAGCAGCCTGATGATGAGCCAAGTCATGAATCCAGC
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206224 protein sequence
 Red=Cloning site Green=Tags(s)

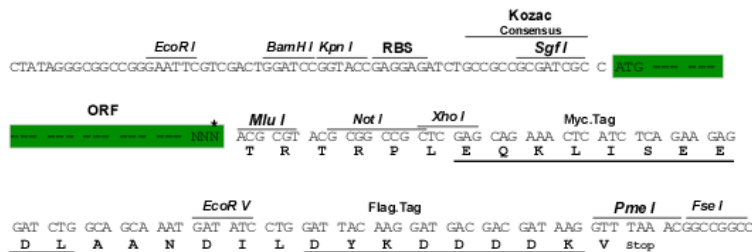
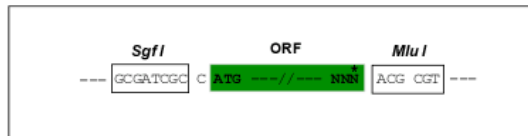
MSLALYTCFLFWLCTSGLWTTQAVTDEDSSSHRD LAPTNVDFAFNLYKRLVALNSDKNTLISPVSISMALA
 MLSLSTRGSTQYLENLGFNMSKMSEAEIHQGFQYLSLLQQSDTGLEMNMGVMFLLQNLKDKSFLADT
 KHYYESEALTIPSKDWTKAGEQINNHVKNKTQGKLEHVSDLDSSATLILINYIFLKGIWKLFPSPENTR
 EEDFYVNETSTVKVPMVMVQSGNISYFRDSAIPCQMVQMNYYVNGTTFIILPDQGMQMDTVVAALNRDTIDR
 WGKLMIPRQMNLYIPKFSMSDYLQDVLADVGIKDLFTNQSDLADTTKDTPLTLTVLHKAMLQLDEGNV
 LPAATNGPPVHLPSESF TLKYNRPFI FLAFDKYTWSSLMMSQVMNPA

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_007618

ORF Size: 1194 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_007618.1](#), [NM_007618.2](#), [NM_007618.3](#), [NP_031644.1](#)

RefSeq Size: 1462 bp

RefSeq ORF: 1194 bp

Locus ID: 12401

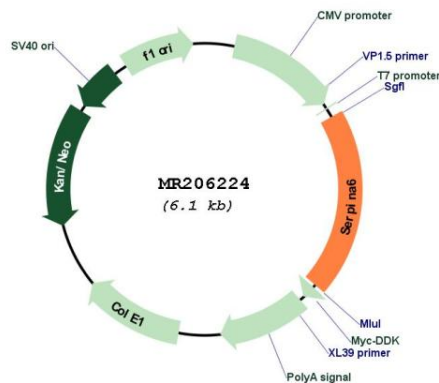
UniProt ID: [Q06770](#)

Cytogenetics: 12 52.98 cM

MW: 44.7 kDa

Gene Summary: This gene encodes a protein that belongs to the serpin (serine protease inhibitor) family. The encoded protein is an alpha-globulin with corticosteroid-binding properties. This is the major transport protein for glucocorticoids and progestins in the blood of most vertebrates. The gene localizes to a chromosomal region containing several closely related serine protease inhibitors. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR206224