

Product datasheet for **MG206224**

Serpina6 (NM_007618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina6 (NM_007618) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpina6
Synonyms:	Cbg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206224 representing NM_007618 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTCGCCCTGTATACCTGTCTCTTCTGGCTCTGCACCAGTGGCCTCTGGACCACCCAGGCTGTCA
CTGATGAGGATCAAGTTCTCACCGAGACCTGGCTCCACCAATGTTGACTTTGCCTTCACTTGTACAA
ACGCCTAGTGGCCCTGAATTCTGACAAGAATACCTTAATCTCCCCAGTGAAGCATCTCCATGGCCCTGGCC
ATGCTGTCCCTAAGCACCAGGGCTCCACCCAGTATCTCGAGAACCTGGGCTTCAACATGTCAAAGATGT
CTGAAGCTGAGATCCACCAGGTTTCCAGTACCTCAATCCCTTCTCCAGCAGTCTGACTGGCTTGG
GATGAACATGGGCAATGTCATGTTCCCTCCTCCAGAACCTAAAGCTGAAAGACTCATTCTTAGCAGACACC
AAACACTATTATGAGTCAGAGGCCCTTGACCATCCCTTCCAAGGACTGGACTAAAGCCGGGCAACAGATCA
ACAATCATGTGAAGAATAAGACACAGGGGAACTTGAGCATGTGGTCTCAGACCTGGATAGTTTCAGCCAC
CCTCATCTGTCAACTACATCTTCTCAAAGGAATATGGAACTTCCCTTCCAGCCAGAAAACTAGTA
GAGGAGGACTTCTATGTGAATGAGACAAGCACAGTGAAGGTGCCATGATGGTCCAGTCAGGCAACATTA
GTTACTTTCGTGATTCGGCGATCCCTGCCAGATGGTACAGATGAATTATGTGGGAAATGGAACACCTT
CATCATTCTTCCAGACCAGGGCCAGATGGACACTGTCGTCGCTGCACTTAATCGGGACACAATTGATAGG
TGGGGCAAGCTTATGATTCCAAGGCAGATGAACCTGTACATCCCCAAATCTCCATGTCTGATACCTATG
ACCTTCAAGATGTGCTGGCAGATGTGGGCATTAAGGATTTGTTCCACCAACCAATCTGATTTGGCAGACAC
CACCAAAGACACTCCCTTGACATTAACGGTACTCCACAAGGCCATGCTGCAACTGGATGAAGGGAATGTG
CTGCCTGCTGCCACCAATGGCCCTCCTGTACACCTGCCCTCCGAATCATTACCCTCAAGTACAACAGGC
CCTTCATCTTCTGGCCTTTGACAAGTACACATGGAGCAGCCTGATGATGAGCCAAGTCATGAATCCAGC
C

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206224 representing NM_007618
 Red=Cloning site Green=Tags(s)

MSLALYTCFLWLCTSGLWTTQAVTDEDSSSHRD LAPTNVDFAFNLYKRL VALNSDKNTLISPVSISMALA
 MLSLSTRGSTQYLENLGFNMSKMSEAEIHQGFQYLSLQQSDTGLEMNMGVMFLLQNLKLDKDSFLADT
 KHYEYSEALTIPSKDWTKAGEQINNHNKNTQGKLEHVVDLSSATLILINYIFLKGIWKL PFPSPENTR
 EEDFYVNETSTVKVPMVQSGNISYFRDSAIPCQMVQMN YVNGTTFIILPDQGM DTVVAALNRDTIDR
 WGKLMIPRQMNLYIPKFSMSD TYDLQDVLADVGIKDLFTNQSDLADTTKDTPLTLTVLHKAMLQLDEGNV
 LPAATNGPPVHLPSE SFTLKYNRPFIFLAFDKYTWSSLMMSQVMNPA

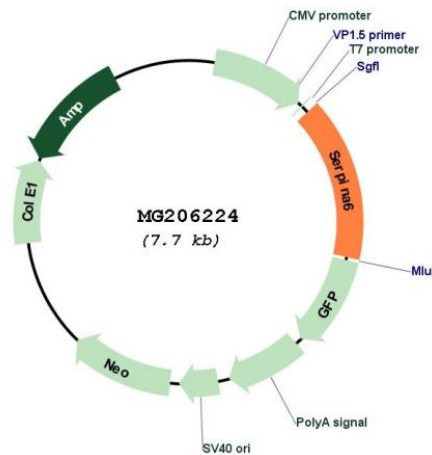
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007618

ORF Size:	1191 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:	<ol style="list-style-type: none">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_007618.2 , NP_031644.1
RefSeq Size:	1462 bp
RefSeq ORF:	1194 bp
Locus ID:	12401
UniProt ID:	Q06770
Cytogenetics:	12 52.98 cM
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]