

Product datasheet for **RG208873**

SERPINA6 (NM_001756) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINA6 (NM_001756) Human 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:	>RG208873 representing NM_001756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACTCCTCCTGTACACCTGTCTTCTCTGGCTGCCACCAGCGGCCTCTGGACCGTCCAGGCCATGG
ATCCTAACGCTGCTTATGTGAACATGAGTAACCATCACCGGGCCTGGCTTCAGCCAACGTTGACTTTGC
CTTCAGCCTGTATAAGCACCTAGTGGCCTTGAGTCCAAAAAGAACATTTTCATCTCCCCTGTGAGCATC
TCCATGGCCTTAGCTATGCTGTCCCTGGGCACCTGTGGCCACACACGGGCCAGCTTCTCCAGGGCCTGG
GTTTCAACCTCACTGAGAGGTCTGAGACTGAGATCCACCAGGTTTCCAGCACCTGCACCAACTCTTTGC
AAAGTCAGACACCAGCTTAGAAATGACCATGGCAATGCCTTGTTCCTGATGGCAGCCTGGAGTTGCTG
GAGTCATTCTCAGCAGACATCAAGCACTACTATGAGTCAGAGGTCTTGGCTATGAATTTCCAGGACTGGG
CAACAGCCAGCAGACAGATCAACAGCTATGTCAAGAATAAGACACAGGGGAAAATTTGTCGACTTGTTTTC
AGGGCTGGATAGCCCAGCCATCCTCGTCTGGTCAACTATATCTTCTTCAAAGGCACATGGACACAGCCC
TTTGACCTGGCAAGCACCAGGGAGGAGAACTTCTATGTGGACGAGACAACGTGGTGAAGGTGCCATGA
TGTTGCAGTCGAGCACCATCAGTTACCTTCATGACCGGAGCTCCCCTGCCAGCTGGTGCAGATGAACTA
CGTGGGCAATGGGACTGTCTTCTCATCCTTCCGGACAAGGGGAAGATGAACACAGTCATCGCTGCACTG
AGCCGGGACACGATTAACAGGTGGTCCGACGGCCTGACCAGCAGCCAGGTGGACCTGTACATTTCAAAGG
TCACCATCTCTGGAGTCTATGACCTCGGAGATGTGCTGGAGGAAATGGGCATTGCAGACTTGTTCACCAA
CCAGGCAAAATTTCTCACGCATCACCCAGGACGCCAGCTGAAGTCATCAAAGGTGGTCCATAAAGCTGTG
CTGCAACTCAATGAGGAGGTGTGGACACAGCTGGCTCCACTGGGGTCACCCTAAACCTGACGTCCAAGC
CTATCATCTTGCGTTTCAACCAGCCCTTCATCATCATGATCTTCGACCCTTCACCTGGAGCAGCCTTTT
CCTGGCGAGGGTTATGAACCCAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208873 representing NM_001756
 Red=Cloning site Green=Tags(s)

MPLLLYTCLLWLPTSGLWTVQAMPNAAAYVNMSNHRGLASANVDFAFSLYKHLVALSPKKNIFISPVSI
 SMALAMLSLGTGCHTRAQLLQGLGNL TERSETEIHQGFQHLHQLFAKSDTSLEMTMGNALFLDGSLELL
 ESFSADIKHYESEVLAMNFQDWATASRQINSYVKNKTQGIKIVDLFSGLDSPAILVLVNYIFFKGTWTQP
 FDLASTREENFYVDETTVVKVPMLQSSTISYLHDAELPCQLVQMNYVNGTGVFFILPDKGKMNVTIAAL
 SRDTINRWSAGLTSSQVDLYIPKVTISGVYDLGDVLEEMGIADLFTNQANFSRITQDAQLKSSKVVKAV
 LQLNEEGVDTAGSTGVTNLNLTSPKIILRFNQPFIIIMIFDHFTWSSLFLARVMNPV

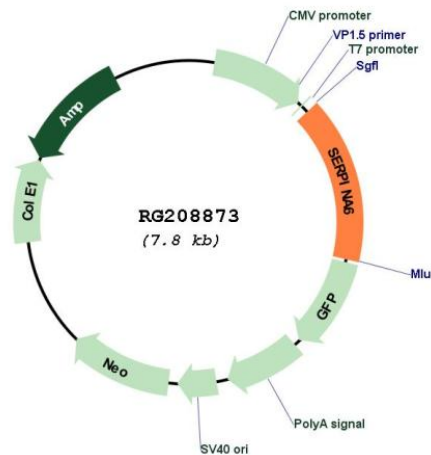
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001756

ORF Size:	1215 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_001756.3 , NP_001747.2
RefSeq Size:	1510 bp
RefSeq ORF:	1218 bp
Locus ID:	866
UniProt ID:	P08185
Cytogenetics:	14q32.13
Domains:	SERPIN
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes an alpha-globulin protein 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 which may have evolved by duplication events. [provided by RefSeq, Jul 2008]