

Product datasheet for **RG213870**

SERPINA11 (NM_001080451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINA11 (NM_001080451) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERPINA11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213870 representing NM_001080451 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCCAGCTTGGCTTTGGCTACTGGGAACAGGGATCCTGGCCTCTGTCCACTGTAGCCCCCTTCTTG
CCCATGGAGATAAAAGTCTGCAGGGGCCCTCAACCCCCAGGCATCAGCTCTCAGAGCCAGCCCCCGCCTA
CCACAGAATCACACCCACCATTACCAATTTTGCCTTTGTATAAAGAGCTGGCAGCAGACGCCCC
GGAACATCTTCTCTCGCCAGTGAGCATCTCCACCACCCTGGCCTGCTCTCTTTGGGCCCCAAGCTA
ACACCTCAGCTCTGATCCTGGAGGGCCTGGGATTCAACCTCACAGAAACCCCTGAAGCCGACATCCACCA
GGGCTTCCGGAGCCTCTCCACACCCTTGCCCTGCCAGCCCCAACTCGAACTAAAAGTAGGAACTCC
CTGTTCTAGACAAGCGACTAAAGCCTCGGCAGCACTATTTGGACAGCATCAAGGAGCTTTATGGAGCTT
TTGCTTTTCTGCCAAGTTCACAGATTCTGTTACAAGTGGGAGGCAGATTAATGACTATTTGAGAAGGCA
AACATACGGGCAAGTCGTGGACTGCCTCCCGAGTTCCAGCCAGGACACGTTTCATGGTTCTTGCCAATTAC
ATCTTCTTCAAAGCCAAGTGGAAGCACCTTTTCAGTCGCTACCAGACCCAGAAGCAGGAAAGTTTCTTTG
TGGATGAGAGGACTTCTCTCCAGGTCCCATGATGCACCAAAAGGAAATGCACAGATTCTCTATGACCA
GGATTTGGCTTGACCGTCTCCAGATAGAATACAGAGGAAATGCCTTGGCGCTGCTGGTCTCCCTGAC
CCGGGGAAATGAAGCAGGTGGAGGCTGCTCTGCAGCCACAGACCCTGAGAAAATGGGGCAATTGTCTC
TGCCCACTGCTGTTGGATTGCACTTGCCAAGGTTTCAATTTCTGGAACATATAACCTGGAAGACATACT
TCCCCAATTGGTCTACCAACATACTCAACTAGAAGCTGACTTCTCAGGAGTCACTGGGCAGCTCAAC
AAAACCATCTCCAAGGTGTACACAAGGCGATGGTGGACATGAGTGAGAAGGGGACCGAGGCCGGGGCTG
CTTCAGGCCTCTCTCCAGCCCCATCTCTGAACACCATGTGACACCCACATGCCACTTCAACAGGCC
TTTCTCTTGCTCCTTTGGGAGGTACACCCAGAGCTTACTCTTCTGGGAAAAGTTGTCAACCCAGTT
GCAGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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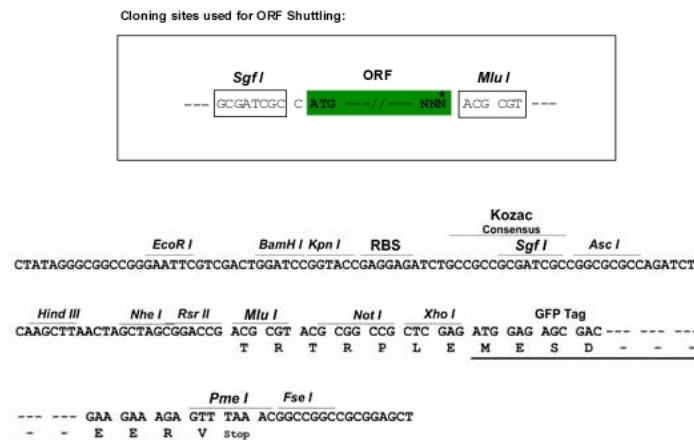
Protein Sequence: >RG213870 representing NM_001080451
 Red=Cloning site Green=Tags(s)

MGPAWLWLLGTGILASVHCQPLLAHGDKSLQGPQPPRHQLSEPAPAYHRITPTITNFALRLYKELAADAP
 GNIFFSPVSISTTLALLSLGAQANTSALILEGLGFNL TETPEADIHQGFRSLHLALPSPKLELVGNS
 LFLDKRLKPRQHYLDSIKELYGAFAFSANFTDSVTTGRQINDYLRRQTYGQVVDCLPEFSQDTFMVLANY
 IFFKAKWKHPFSRYQTQKQESFFVDERTSLQVPMMHQKEMHRFLYDQDLACTVLQIEYRGNALALLVLPD
 PGKMKQVEAALQPQTLRKWQQLLLPSLLDLHLPRFSISGTYNLEDILPQIGLTNINLEADFSVGTGQLN
 KTISKVSHKAMVDMSEKGTAGAASGLLSQPPSLNTMSDPHAHFNRPFLLLLWEVTTQSLLFLGKVVPV
 AG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080451

ORF Size: 1266 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_001080451.2](#)

RefSeq Size: 1471 bp

RefSeq ORF: 1269 bp

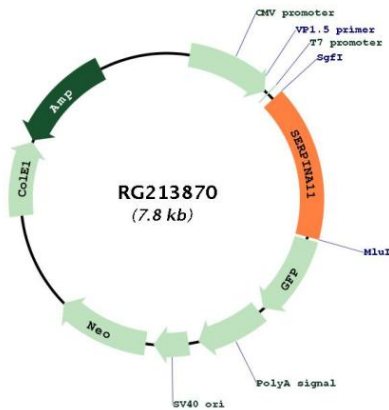
Locus ID: 256394

UniProt ID: [Q86U17](#)

Cytogenetics: 14q32.13

Protein Families: Druggable Genome, Secreted Protein

Product images:



Circular map for RG213870