

Product datasheet for **RG232679**

SERPINI2 (NM_001012303) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINI2 (NM_001012303) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERPINI2
Synonyms:	MEPI; PANCPIN; PI14; TSA2004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232679 representing NM_001012303 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCAAAACCTGATGAGAGAAGTCAAAATGGACACAATCTTCTTGTGGAGTCTTCTATTGCTGTTTT
TTGGAAGTCAAGCCTCAAGATGCTCAGCTCAAAAAATACCGAATTTGCAGTGGATCTTTATCAAGAGGT
TTCCTTATCTCATAAGGACAACATTATATTTTCACCCCTTGAATAACTTTGGTTCTTGAGATGGTACAA
CTGGGAGCCAAAGAAAAGCACAGCAGCAGATAAGACAACTTTAAAACAACAGGAAACCTCAGCTGGGG
AAGAATTTTTTGTACTGAAGTCATTTTTCTCTGCCATCTCAGAGAAAAACAAGAATTTACATTTAATCT
TGCCAATGCCCTACCTTCAAGAAGGATTCACGTGTGAAAGAACAGTATCTCCATGGCAACAAGGAATTT
TTTCAGAGTGCTATAAACTGGTGGATTTCAAGATGCAAAAGGCTTGTGCAGAGATGATAAGTACCTGGG
TAGAAAAGAAAAACAGATGGAAAAATTAAGACATGTTTTTCAGGGGAAGAATTTGGCCCTCTGACTCGGCT
TGTCTCGGTGAATGCTATTTATTTCAAAGGAGATTGGAACAGAAATTCAGAAAAGAGGACACACAGCTG
ATAAATTTTACTAAGAAAAATGGTTCAACTGTCAAATTTCCAATGATGAAGGCTCTTCTGAGAACAAAAT
ATGGTTATTTTTCTGAATCTTCCCTGAACCTACCAAGTTTTAGAATTGTCTTACAAAGGTGATGAATTTAG
CTTAATTATCATACTTCTGCAGAAGGTATGGATATAGAAGAAGTGAAAAACTAATTACTGCTCAACAA
ATCCTAAAATGGCTCTCTGAGATGCAAGAAGAGGAAGTAGAAATAGCCCTCCCTAGATTTAAAGTAGAAC
AAAAAGTAGACTTCAAAGACGTTTTGTATTCTTTGAACATAACCGAGATATTTAGTGGTGGCTGCGACCT
TTCTGGAATAACAGATTCATCTGAAGTGTATGTTTCCCAAGTGACGCAAAAAGTTTTCTTTGAGATAAAT
GAAGATGGTAGTGAAGCTGCAACATCAACTGGCATAACATCCCTGTGATCATGAGTCTGGCTCAAAGCC
AATTTATAGCAAATCATCCATTTCTGTTTATTATGAAGCATAATCCAACAGAATCAATTCTGTTTATGGG
AAGAGTGACAAATCCTGACACCCAGGAGATAAAAGGAAGAGATTTAGATTCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232679 representing NM_001012303
 Red=Cloning site Green=Tags(s)

MIQNL MREVKMDTIFLWSLLLLFFGSQASRCSAQKNTEFAVDLYQEVSLSHKDNIIFSPLGITLVLEMVQ
 LGAKGKAQQQIRQTLKQQETSAGEEFFVLKSFSAISEKKQEFNFLANALYLQEGFTVKEQYLHGNKEF
 FQSAIKLVDFQDAKACAEMISTWVERKTDGKIKDMFSGEEFGPLTRLVLVNAIYFKGDWKQKFRKEDTQL
 INFTKKNGSTVKIPMMKALLRRTKYGYFSESSLNYQVLELSYKGFDEFSLIILPAEGMDIEEVEKLITAQQ
 ILKWLSEMQEEVEISLPRFKVEQKVDVFKDVLVSLNITEIFSGGCDLSGITDSSEYVVSQVTQKVFFEIN
 EDGSEAATSTGIHIPVIMSLAQSQFIANHPFLFIMKHNPTESILFMGRVTNPDTQEIKGRDLDSL

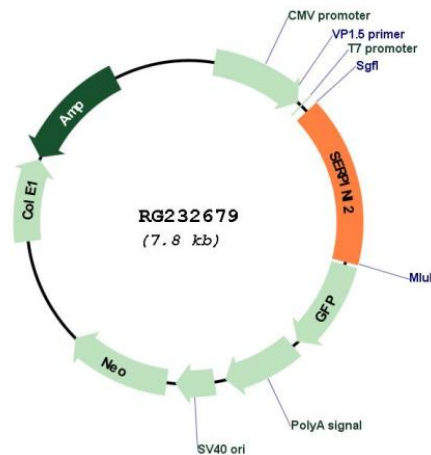
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012303

ORF Size:	1245 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_001012303.2 , NP_001012303.1
RefSeq Size:	1769 bp
RefSeq ORF:	1218 bp
Locus ID:	5276
UniProt ID:	O75830
Cytogenetics:	3q26.1
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	The gene encodes a member of a family of proteins that acts as inhibitors of serine proteases. These proteins function in the regulation of a variety of physiological processes, including coagulation, fibrinolysis, development, malignancy, and inflammation. Expression of the encoded protein may be downregulated during pancreatic carcinogenesis. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Jan 2013]