

## Product datasheet for RC232679

### SERPINI2 (NM\_001012303) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SERPINI2 (NM\_001012303) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SERPINI2  
**Synonyms:** MEPI; PANCPIN; PI14; TSA2004  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC232679 representing NM\_001012303  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCCAAAACCTGATGAGAGAAGTCAAAATGGACACAATCTTCTGTGGAGTCTTCTATTGCTGTTTT  
 TTGGAAGTCAAGCCTCAAGATGCTCAGCTCAAAAAATACCGAATTTGCAGTGGATCTTTATCAAGAGGT  
 TTCCTTATCTCATAAGGACAACATTATATTTTACCCCTTGAATAACTTTGGTTCTTGAGATGGTACAA  
 CTGGGAGCCAAAGAAAAGCACAGCAGCAGATAAGACAACTTTAAAACAACAGGAAACCTCAGCTGGGG  
 AAGAATTTTTTGTACTGAAGTCATTTTTCTCTGCCATCTCAGAGAAAAACAAGAATTTACATTTAATCT  
 TGCCAATGCCCTTACCTTCAAGAAGGATTCACGTGTAAAGAACAGTATCTCCATGGCAACAAGGAATTT  
 TTTCAGAGTGCTATAAACTGGTGGATTTCAAGATGCAAAGGCTTGTGCAGAGATGATAAGTACCTGGG  
 TAGAAAAGAAAAACAGATGGAAAAATTAAGACATGTTTTTCAAGGGGAAAGATTTGGCCCTCTGACTCGGCT  
 TGTCTGGTGAATGCTATTTATTTCAAAGGAGATTGGAACAGAAATTCAGAAAAGAGGACACACAGCTG  
 ATAAATTTTACTAAGAAAAATGGTTCAACTGTCAAATTTCAATGATGAAGGCTCTTCTGAGAACAAAAT  
 ATGGTTATTTTTCTGAATCTTCCCTGAACCTCAAGTTTTAGAATTGCTTACAAAGGTGATGAATTTAG  
 CTTAATTATCATACTTCTGCAGAAGGTATGGATATAGAAGAAGTGAAAAACTAATTACTGCTCAACAA  
 ATCCTAAAATGGCTCTCTGAGATGCAAGAAGAGGAGTAGAAATAGCCCTCCCTAGATTTAAAGTAGAAC  
 AAAAAAGTAGACTTCAAAGACGTTTTGTATTCTTTGAACATAACCGAGATATTTAGTGGTGGCTGCGACCT  
 TTCTGGAATAACAGATTCATCTGAAGTGTATGTTTCCCAAGTGACGCAAAAAGTTTTCTTTGAGATAAAT  
 GAAGATGGTAGTGAAGCTGCAACATCAACTGGCATAACATCCCTGTGATCATGAGTCTGGCTCAAAGCC  
 AATTTATAGCAAATCATCCATTTCTGTTTATTATGAAGCATAATCCAACAGAATCAATTCTGTTTATGGG  
 AAGAGTGACAAATCCTGACACCCAGGAGATAAAAGGAAGAGATTTAGATTCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232679 representing NM\_001012303  
 Red=Cloning site Green=Tags(s)

MIQNL MREVKMDTIFLWSLLLLFFGSQASRCSAQKNTFAVDLYQEVSLSHKDNIIFSPLGITLVLEMVQ  
 LGAKGKAQQQIRQTLKQQETSAGEEFFVLKSFSAISEKKQEFNFLANALYLQEGFTVKEQYLHGNKEF  
 FQSAIKLVDFQDAKACAEMISTWVERKTDGKIKDMFSGEEFGPLTRLVLVNAIYFKGDWKQKFRKEDTQL  
 INFTKKNGSTVKIPMMKALLRRTKYGYFSESSLNYQVLELSYKGDDEFSLIILPAEGMDIEEVEKLITAAQQ  
 ILKWLSEMQEEVEISLPRFKVEQKVDKDVLYSLNITEIFSGGCDLSGITDSSEVYVSQVTQKVFFEIN  
 EDGSEAATSTGIHIPVIMSLAQSQFIANHPFLFIMKHNPTESILFMGRVTNPDTQEIKGRDLDSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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:**

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](#)

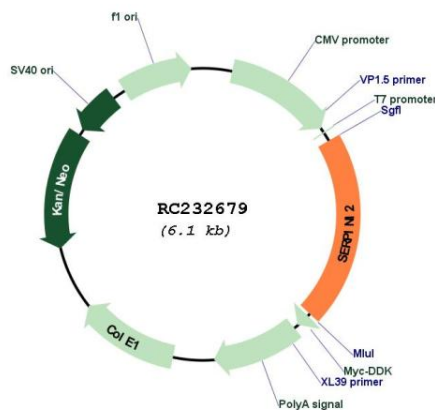
**Cytogenetics:** 3q26.1

**Protein Families:** Druggable Genome, Secreted Protein

**MW:** 47.8 kDa

**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]

### Product images:



Circular map for RC232679