

Product datasheet for **SC116226**

SERPINI2 (NM_006217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINI2 (NM_006217) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINI2
Synonyms:	MEPI; PANCPIN; PI14; TSA2004
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006217, the custom clone sequence may differ by one or more nucleotides

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ATGGACACAATCTTCTTGTGGAGTCTTCTATTGCTGTTTTTTGGAAGTCAAGCCTCAAGATGCTCAGCTC
AAAAAATACCGAATTTGCAGTGGATCTTATCAAGAGTTTTCTTATCTCATAAGGACAACATTATATT
TTCACCCCTTGAATAACTTTGGTTCTTGAGATGGTACAACCTGGGAGCCAAAGGAAAAGCACAGCAGCAG
ATAAGACAAACTTTAAAACAACAGGAAACCTCAGCTGGGAAGAATTTTTGTACTGAAGTCATTTTTCT
CTGCCATCTCAGAGAAAAACAAGAATTTACATTTAATCTTGCCAATGCCCTCTACCTTCAAGAAGGATT
CACTGTGAAAGAACAGTATCTCCATGGCAACAAGGAATTTTTTCAGAGTGTATAAAACTGGTGGATTTT
CAAGATGCAAAGGCTTGTGCAGAGATGATAAGTACCTGGGTAGAAAGAAAAACAGATGGAAAAATTAAG
ACATGTTTTTCAGGGGAAGAATTTGGCCCTCTGACTCGGCTTGTCTGGTGAATGCTATTTATTTCAAAGG
AGATTGGAACAGAAATTCAGAAAAGAGGACACACAGCTGATAAATTTTACTAAGAAAAATGGTTCAACT
GTCAAAATCCAATGATGAAGGCTCTTCTGAGAACAAAATATGGTTATTTTTCTGAATCTCCCTGAACT
ACCAAGTTTTAGAATTGTCTTACAAAGGTGATGAATTTAGCTTAATTATCATACTTCTGCAGAAGGTAT
GGATATAGAAGAAGTGGAAAACTAATTACTGCTCAACAAATCCTAAAATGGCTCTCTGAGATGCAAGAA
GAGGAAGTAGAAATAAGCCTCCCTAGATTTAAAGTAGAACAAAAGTAGACTTCAAAGACGTTTTGTATT
CTTTGAACATAACCGAGATATTTAGTGGTGGCTGCGACCTTTCTGGAATAACAGATTCATCTGAAGTGTA
TGTTTCCAAGTGACGCAAAAAGTTTTCTTTGAGATAAATGAAGATGGTGTGAGCTGCAACATCAACT
GGCATAACATCCCTGTGATCATGAGTCTGGCTCAAAGCCAATTTATAGCAAATCATCCATTTCTGTTTA
TTATGAAGCATAATCCAACAGAATCAATCTGTTTATGGGAAGAGTGACAAATCCTGACCCAGGAGAT
AAAAGGAAGAGATTTAGATTCAGTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006217 unedited
 TTGTCAATACGAATNCACTATAGGGNCCGGCCGCGNATATCGGCACGAAGGCTTTTTAA
 ACTTTGAAAGCTGATTTGATGAAGAAAAACCTGTTTCCAAGGAAATTCGCATCATGA
 ACGAAAAGCCAAGCAATTATGCCAAGAAAAAGTTGTGAAGTGAAGAAAAATAAGAAGTA
 ATTACAACAGAAAAACCTTCACTTGTTACATAAGAGGAATTAATCAAGCAATGGTCAAGA
 TAAATGGAGTTGGCCTTGATCGCTCAGGTGTTTATGTACAAGAGTTTTCCAGCAAGCGTA
 TTTTAGTTGTAACATTCCAGTGAATAATCAGAAGTCAGTTTGGGAGAAGTCAAAATGGAC
 ACAATCTTCTTGTGGAGTCTTCTTTTGTGTTTTTGGAAAGTCAAGCCTCAAGATGCTCA
 GCTCAAAAAAATACCGAATTTGCAGTGGATCTTTATCAAGAGTTTTCTTATCTCATAAG
 GACAACATTATATTTTACCCTTGGAAATAACTTTGGTTCTTGAGATGGTACAACCTGGGA
 GCCAAAGGAAAAGCACAGCAGCAGATAAGACAACTTTAAAAACAAGGAAACCTCAGCT
 GGGGAAGATTTNTTTGTAAGTCAATTTTCTGCGCATCTCAGAGAAAAACAAG
 AATTTACATTTAATCTTGCCAATGCCCTCTACCTCAAGAAGGATTCAGTGGTGAAGAA
 CAGTATCTCCATGGCACAAGGAATNNTTTTCAGAGTGTATANACTTGGNNGGATNNTTCA
 GATGCAAGGCTTGTGCAGAGAATGATAGTACCTGGGTAGAAAGAAAACAGATGGAAAAA
 TTAAGGACTGGTTTCAGGGGAAAGAATTTGGGCTCTGACCTCGCTTGGCTCGGGGAT
 GCTTATTTTCAAGGAGATTGAANCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006217 unedited
 TTTGCTCTGGACCGCGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTTTTTTT
 TTGAAAAACATCTTTTATTCTGAGGCTGTGCTTTTCATTCACAGTGAATCTAAATCTCT
 CCTTTTATCTCCTGGGTGTCAGGATTTGTCAGTCTTCCCATAAACAGAATTGATTCTGTT
 GGATTATGCTTCATAATAAACAGAAATGGATGATTTGCTATAAATGGCTTTGAGCCAGA
 CTCATGATCACAGGGATGTGTATGCCTATAAAATAGAGACAACAGTTATTTAGATACTTG
 CATTAAAAGATCAGTAAAGAAAGTATATTCATAATACATTTTGTAGACAGGAAAAGTCAT
 TTTGTGTAAGGAGTTAACATGTGAAAAATAACCATTTTCTAAAACAGAGGAATTTGCA
 ATAAATTTAAAAACAAAGTACTGAAGAATAAATATTAGGTCACCTCACAGAATAATTCTA
 ACTTTATATGTATGCTCAATGAAGAAGCAAGCCAGATACCAGATTCATTTAGTGAAGC
 AGTTGAAAAAATTTATCTTTTAAACAGTAATTTTCTGTTCACTTTTTATTTGCATTATAT
 GATTTATTTCTACAATGTTTGTAAATTCCTAATTCCTATTTAGGTATATTTGCACTTCGGG
 TTTGTGTAATCACATCTGAGCTAAATTAATTTTTTTTTTTTACTACTCTTTCAAATTA
 TCTGTGAGCTCAGAGCTTTTAGGATTTGTGCAGTGAATGTGTGTGAGATTTTATTATGA
 GATTTGAGCAGAAATTTGCTGCCTTAAAAATACCTTCTATGATATTTATAATNATGTTGC
 TCCATACAGNNATTTGNNCATATTTAGATAGGGAAATTTAAAAAGTNGATATTTTCCCT
 ATCTAGATAAAAAGTTTATGCTATTCAAACACTGGGATTCCTAANTGATTATTTTGACC
 TGATTTTTTCAAACCCAGAAAAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_006217

Insert Size:

4530 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_006217.3 , NP_006208.1
RefSeq Size:	1445 bp
RefSeq ORF:	1218 bp
Locus ID:	5276
UniProt ID:	O75830
Cytogenetics:	3q26.1
Domains:	SERPIN
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>