

## Product datasheet for **SC325043**

### **SERPINE2 (NM\_001136528) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SERPINE2 (NM_001136528) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINE2
Synonyms:	GDN; GDNPF; PI-7; PI7; PN-1; PN1; PNI
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001136528 edited  
 GTGGAAGGAACCATGAACTGGCATCTCCCCCTCTTCTCTTGGCCTCTGTGACGCTGCCT  
 TCCATCTGCTCCCACTTCAATCCTCTGTCTCTCGAGGAACTAGGCTCCAACACGGGGATC  
 CAGGTTTTCAATCAGATTGTGAAGTCGAGGCCTCATGACAACATCGTGATCTCTCCCAT  
 GGGATTGCGTCGGTCTGGGGATGCTTCAGCTGGGGCGGACGGCAGGACCAAGAAGCAG  
 CTCGCCATGGTGATGAGATACGGCGTAAATGGAGTTGGTAAAAATTTAAAGAAGATCAAC  
 AAGGCCATCGTCTCCAAGAAGAATAAAGACATTGTGACAGTGGCTAACGCCGTGTTTGT  
 AAGAAATGCCTCTGAAATTGAAGTGCCTTTTGTACAAGGAACAAAGATGTGTTCCAGTGT  
 GAGGTCCGGAATGTGAACTTTGAGGATCCAGCCTCTGCCTGTGATTCCATCAATGCATGG  
 GTTAAAAATGAAACCAGGGATATGATTGACAATCTGCTGTCCCCAGATCTTATTGATGGT  
 GTGCTCACCAGACTGGTCTCGTCAACGCAGTGTATTTCAAGGGTCTGTGGAAATCACGG  
 TTCCAACCCGAGAACACAAGAAACGCACTTTCGTGGCAGCCGACGGAAATCCTATCAA  
 GTGCCAATGCTGGCCAGCTCTCCGTGTTCCGGTGTGGGTCGACAAGTCCCCCAATGAT  
 TTATGGTACAACCTCATTGAACTGCCCTACCACGGGAAAGCATCAGCATGCTGATTGCA  
 CTGCCGACTGAGAGCTCCACTCCGCTGTCTGCCATCATCCACACATCAGCACCAAGACC  
 ATAGACAGCTGGATGAGCATCATGGTGCCAAGAGGGTGCAGGTGATCCTGCCCAAGTTC  
 ACAGCTGTAGCACAAACAGATTTGAAGGAGCCGCTGAAAGTTCTTGGCATTACTGACATG  
 TTTGATTCATCAAAGGCAAAATTTGCAAAAATAACAAGGTGAGAAAACCTCCATGTTTCT  
 CATATCTTGCAAAAAGCAAAAATTTGAAGTCAGTGAAGATGGAACCAAGCTTCAGCAGCA  
 ACAACTGCAATTTCTATTGCAAGATCATCGCCTCCCTGGTTTATAGTAGACAGACCTTTT  
 CTGTTTTTCATCCGACATAATCCTACAGGTGCTGTGTTATTCATGGGGCAGATAAACAAA  
 CCCTGAAGAGTATACAAAAGAAACCATGCAAAGCAACGACTACTTTGCTACGAAGAAAGA  
 CTCCTTTCTGCATCTTTCATAGTTCTGTAAATATTTTTGTACATCGCTTCTTTTTCAA  
 AACTAGTTCTTAGGAACAGACTCGATGCAAGTGTCTGTCTGGGAGGTATTGGAGGGA  
 AAAACAAGCAGGATGGCTGGAACACTGTACTGAGGAATGAATAGAAAGGCTTCCAGATG  
 TCTAAAAGATTCTTAACTACTGAACTGTTACCTAGGTTAAACAACCTGTTGAGTATTT  
 GCTGTTTGTCCAGTTCAGGAATTTTTGTTTTGTTTTGTCTATATGTGCGGCTTTTCAGAA  
 GAAATTTAATCAGTGTGACAGAAAAAAAATGTTTTATGGTAGCTTTTACTTTTTATGAA  
 AAAAAATTTATGCTTTTTAAATCTTTTCCCCATCCCCCTCAAAGTCTTGATAGCA  
 AGCGTTATTTGGGGTAGAAACGGTGAATCTCTAGCCTCTTTGTGTTTTTGTGTTGT  
 TGTGTTGTTGTTTTATATAATGCATGTATTTACTAAAAATAAAATTTAAAAACTCCTGT  
 CTTGCTAGACAAGTTGCTGTTGTGCAAGTGCCTGTCACTACTGGTCTGTACTCCTTGG  
 ATTTGCATTTTTGTATTTGTACAAAGTAAAAATAAACTGTTATGAGTAGTAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_001136528
- Insert Size:** 1900 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001136528.1</a></u> , <u><a href="#">NP_001130000.1</a></u>
<b>RefSeq Size:</b>	2256 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	5270
<b>UniProt ID:</b>	<u><a href="#">P07093</a></u>
<b>Cytogenetics:</b>	2q36.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	<p>This gene encodes a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. Thrombin, urokinase, plasmin and trypsin are among the proteases that this family member can inhibit. This gene is a susceptibility gene for chronic obstructive pulmonary disease and for emphysema. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.</p>