

Product datasheet for SC119795

Protein C inhibitor (SERPINA5) (NM_000624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protein C inhibitor (SERPINA5) (NM_000624) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protein C inhibitor
Synonyms:	PAI-3; PAI3; PCI; PCI-B; PLANH3; PROC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119795 sequence for NM_000624 edited (data generated by NextGen Sequencing)

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ATGCAGCTCTTCTCCTCTTGTGCTGGTCTTCTCAGCCCTCAGGGGCCTCCCTTCAC
CGCCACCACCCCGGGAGATGAAGAAGAGAGTCGAGGACCTCCATGTAGGTGCCAGGTG
GCCCCCAGCAGCAGAAGGACTTTACCTTTGACCTCTACAGGGCCTTGGCTTCCGCTGCC
CCCAGCCAGAGCATCTTCTTCTCCCTGTGAGCATCTCCATGAGCCTGGCCATGTCTCC
CTGGGGGTGGTCCAGCACAAAGATGCAGATCCTGGAGGGCCTGGGCCTAAACCTCCAG
AAAAGCTCAGAGAAGGAGCTGCACAGAGGCTTTCAGCAGCTCCTTCAGGAACTCAACCAG
CCCAGAGATGGCTTCCAGCTGAGCCTCGGCAATGCCCTTTTACCAGCCTGGTGGTAGAC
CTGCAGGACACCTTCGTAAGTGCATGAAGACGCTGTACCTGGCAGACACTTCCCTACC
AACTTTAGGGACTCTGCAGGGCCATGAAGCAGATCAATGATTATGTGGCAAAGCAAACG
AAGGGCAAGATTGTGGACTTGTAAAGAACCTCGATAGCAATGCGGTCTGTATCATGGTG
AATTACATCTTCTTAAAGCTAAGTGGGAGACAAGCTTCAACCACAAAGGCACCCAAAGAG
CAAGACTTCTACGTGACCTCGCAGACTGTGGTGCGGGTACCCATGATGAGCCGCGAGGAT
CAGTATCACTACCTCCTGGACCGGAACCTCCTCGAGGGTGGTGGGGTCCCCTACCAA
GGCAATGCCACGGCTTTGTTTATTCTCCCCAGTGAGGGAAAGATGCAGCAGGTGGAGAAT
GGACTGAGTGAGAAAACGCTGAGGAAGTGGCTTAAAGATGTTCAAAAAGAGGCAGCTCGAG
CTTTACCTTCCCAAATTTCCATTGAGGGCTCCTATCAGCTGGAGAAAAGTCCCTCCCAGT
CTGGGGATCAGTAACGTCTTACCTCCCATGCTGATCTGTCCGGCATCAGCAACCACTCA
AATATCCAGGTGTCTGAGATGGTGCACAAAGCTGTGGTGGAGGTGGACGAGTCGGGAACC
AGAGCAGCGGCAGCCACGGGGACAATATCACTTTAGGTCGGCCCGCCTGAACTCTCAG
AGGCTAGTGTTCAACAGGCCCTTCTGATGTTTATTGTGGATAACAACATCCTCTTCTCT
GGCAAAGTGAACCGCCCTGA

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Clone variation with respect to NM_000624.4
291 c=>a;682 g=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000624 unedited</p> <pre>AATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGCCACCTCCA CTGTGTGCACACTCAGCTACGGGACACATTTTCAGGTATCCAAGGCAGCAGAGGTGAGTGG GTCCCCGAGCTCTGTGACCTTATGCTCCACACTAACTCTGGCAGAGCCTCCGTTTCCTC ATAGAACAAGAAGACGCCACCATGCAGCTCTTCTCCTCTTGTGCCTGGTGTCTCAGC CCTCAGGGGGCTCCCTTACCAGCCACCACCCCGGGAGATGAAGAAGAGAGTCGAGGAC CTCCATGTAGGTGCCACGGTGGCCCCCAGCAGCAGAAGGGACTTACCTTTGACCTCTAC AGGGCCTTGGCTTCCGCTGCCCCAGCCAGAGCATCTTCTTCTCCCTGTGAGCATCTCC ATGAGCCTGGCCATGCTCTCCCTGGGGCTGGGTCCAGCACAAAGATGCAGATCTCGGAG GGCCTGNGCCTAAACCTCCAGAAAAGCTCAGAGAAGGAGCTGCACAGAGGCTTTCAGCAG CTCCTTCAGGAATCAACCAGCCAGAGATGGCTTCCAGCTGAGCCTCGGCAATGCCCTT TTCACCGACCTGGTGGTAGACCTGCAGGACACCTTCGTAAGTGCCATGAAGACGCTGTAC CTGGCAGACACTTCCCTACCACTTTAGGGACTCTGCAGGGCCATGAAGCAGATCAAT GATTATGTGGCANAGCANACGAAGGGCAAGATTGTGGACTTGCTTAAGAACCTCGATAGC ATGCGGNCGTGATCATGGNGGATTACATCTTCTTAAAGCTAAGTGGGAGACAGCTCCAC CCCAAAGCACCCAGAGCAGACTTCTACGTGACCTCCAGATGTGGTGCCGGTACCCATGAG G</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000624 unedited</p> <pre>CCCCCGGCCCACTTCTTCCCCCCCCCCCCCTTGGGGGAAGAAACCTTGTATGCC AACTAGNAATCACAAGTTAGTCATTGGCACCTGCAACTGATACTACTATTTGCAAAAG GCTTCCCTTCTTCCACTCCAGCCAGGCCATCAGATTAACTATATCCACAAAATGAT ATAATCAATCATTAAATGGGCCATTTCCACCTTGATATCCAGATGTTTTTCTTAAAGGAT GAATGGCACTTGAGTGTATTGAAATCAACCACGAATGACAGGGCCACCCAGCCTTCT ATATGATTTTCAGGAGTCTTGGGTCCAGCAAGAATCTGATCCTTGATACAGAGGGAAA CTGAGGTCCAGAGAGGGAAAGTGTGTCCCAATGTCACACAGCACATTAGGACTGAAACA GTAGCCCCATTTCAGACTCCCATTTCAACATTTTTCCCATGCAGGATGAAGTGCAGTTG TTGCTGTGATAAGTGTGGGACCAGCCTTGACCTGTGCTTCTGGTGGCCCTCATCCAC TGGAACATCCCTCCTATTGAGCTTTGTGGCACTGAGCTGGGCATCAAGGGCCAGGACTCT GGACCTCTCTTTGCCACTACCATGCTGGTGAATTTGAGCAAGTCATCCAGCCTCTCTGGA TCTCAGNGTTAATCTTTCATTGATGAATAGTGACCGAAGATTGAATGTTCTCCACATTT CCCCAGGCACCTGTATGTTGCACCCGTGGTTGGAAGCAATCATCATAGAGTAATATTA CTTGCCATGCCTCATTAATTAACCTAAACCTGGGTAATAACTAACTAACAGCATAACAGAT GGCCCATAGCTTAACCCCTTCTCTCCCAACCTGCAGCCTGTAGATTTAAAGAAAAACT CACCTTAGGGGCGGGTCAATTTGGCAAGGCAGAAGATGTTGTTTTCCCATGCACCAC CAAAAAGGGCCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_000624
Insert Size:	2400 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:

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_000624.3](#), [NP_000615.2](#)

RefSeq Size: 2245 bp

RefSeq ORF: 1221 bp

Locus ID: 5104

UniProt ID: [P05154](#)

Cytogenetics: 14q32.13

Domains: SERPIN

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Gene Summary: The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. This family member is a glycoprotein that can inhibit several serine proteases, including protein C and various plasminogen activators and kallikreins, and it thus plays diverse roles in hemostasis and thrombosis in multiple organs. [provided by RefSeq, Aug 2012]