

Product datasheet for SC115784

SERPINB3 (NM_006919) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB3 (NM_006919) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINB3
Synonyms:	HsT1196; SCC; SCCA-1; SCCA-PD; SCCA1; SSCA1; T4-A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115784 sequence for NM_006919 edited (data generated by NextGen Sequencing)

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ATGAATTCACCTCAGTGAAGCCAACACCAAGTTCATGTTTCGACCTGTTCCAACAGTTCAGA
AAATCAAAAGAGAACAACATCTTCTATTCCCCTATCAGCATCACATCAGCATTAGGGATG
GTCCTCTTAGGAGCCAAAAGACAACACTGCACAACAGATTAAGAAGTTCTTCACTTTGAT
CAAGTCACAGAGAACCACAGGAAAAGCTGCAACATATCATGTTGATAGGTCAGGAAAT
GTTTCATCACCAGTTTCAAAGCTTCTGACTGAATTCAACAAATCCACTGATGCATATGAG
CTGAAGATCGCCAACAAGCTCTTCGGAGAAAAACGTATCTATTTTTACAGGAATATTTA
GATGCCATCAAGAAATTTACCAGACCAGTGTGGAATCTGTTGATTTTGCAAAATGCTCCA
GAAGAAAGTCGAAAGAAGATTAACCTCCTGGGTGGAAGTCAAACGAATGAAAAAATTA
AACCTAATTCCTGAAGGTAATATTGGCAGCAATACCACATTGGTCTTGTGAACGCAATC
TATTTCAAAGGGCAGTGGGAGAAGAAATTAATAAAGAAGATACTAAAGAGGAAAAATTT
TGGCCAAACAAGAATACATACAAGTCCATACAGATGATGAGGCAATACACATCTTTTCAT
TTTGCCTCGTGGAGGATGTACAGGCCAAGGTCCTGGAATACCATACAAAGGCAAAGAT
CTAAGCATGATTGTGTTGCTGCCAAATGAAATCGATGGTCTCCAGAAGCTTGAAGAGAAA
CTCACTGCTGAGAAATGATGGAATGGACAAGTTTGCAGAATATGAGAGAGACACGTGTC
GATTTACACTTACCTCGGTTCAAAGTGAAGAGAGCTATGACCTCAAGGACACGTTGAGA
ACCATGGGAATGGTGGATATCTCAATGGGGATGCAGACCTCTCAGGCATGACCGGGAGC
CGCGGTCTCGTGCTATCTGGAGTCTACACAAGGCCTTTGTGGAGTTACAGAGGAGGGA
GCAGAAGCTGCAGCTGCCACCGCTGTAGTAGCATTTCGGATCATCACCTACTTCAACTAAT
GAAGAGTTCATTGTAATCACCCCTTCTATTCTTCATAAGGCAAAATAAGACCAACAGC
ATCCTCTTCTATGGCAGATTCTCATCCCGTAG

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Clone variation with respect to NM_006919.2
1052 g=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006919 unedited
 GGCGTGGCACCCAATTAGGTNAATACGAACTTCACTCTNAGGGACTGGCCGCGCAATTCCG
 GCACGAGGAGAGGCATAAATTCAGGCTCTCACCCTTCATTCCACAGACACACATAGCCTC
 TCTGCCACCTCTGCTTCTCTACGAACACAGGAGTTCAGATCACATCGAGTTCACCAT
 GAATTCAGTCAAGTGAACCAACACCAAGACCATGTTCCGACCTGTTCCAACAGTTCAGAAA
 ATCAAAAAGAGAACAACATCTTCTATTCCCCTATCAGCATCACATCACCTTAGGGATGGT
 CCTCTTAGGAGCCAAAGACAACACTGCACAACAGATTAAGAAGGTTCTTCACTTTGATCA
 AGTCACAGAGAACCACAGGAAAAGCTGCAACATATCAACTCTATAGGTCAGGAAATGT
 TCATCACCAAGTTTCAAAAAGCTTCTACCTGAATTCAACAAATCCACTGATGCATATGAGCT
 GAAGATCGCCAACAAGCTCTTCGGAGAAAAACGTATCTATTTTTACAGGAATATTTAGA
 TGCCATCAAGAACTTTACCAGACCAGTGTGGAATCTGTTGATTTTGCAATGCTCCATA
 AGAAAGTCGAAAGAAGATTAACCTTCTGCGTGGAAAGTCAAACGAATGAAAAAATAAAAA
 CCTAATTCCTGATAGTAATATTGGCAGCAATACCACATTGGCTCTTGCGAAACGCAATCT
 ATTTAACAGGCAGTGGGAGAATAATTTACTAAAGAAGATCCTAAAGAGTACAAATTTCT
 CGCCACACACAGAAACCTACCAGTCCCTACAGATGATGACGGCACTCACCATCTTTAATT
 TTGCTCGCTGGAGAAGTACCAGTTAAGGCCCTGGAATCCCCTACAAAGGCACAAATCTA
 ACACGATGGGGCTGCTGCCCAAAGAAACGTAGGTCTCCAAG

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_006919 unedited
 TCCCCGAAATGACTAGNACCGCGCCGAATCTANGATCGATTTTTTTTTTTTTTTTTTTTT
 TTTTTTCGGTTTTACAACATGGTACTATGGTTAATACATTTTTTTTTTGAAAATTGCTA
 AAAGAACAGACTTGCAGTGTCTTACCAGCAAAAATTATGTGAGGTAATGTATATATAAA
 TTAGTCCACTGACTCATTCCACTATGTATACATATTTCAAACAACATGTTTACAACA
 TAAATGTATACAGTTTTTATTAATTAATAATACATTTAAAAACAACATTTAATGAAGAAGA
 TTTTTTACCTAAAGATGTGTGTTTTGGACAATTCTTTTTCTCTTTTGAGTCAACTT
 TATAGAGGCATAATTAATTAATAATAAATGTAAGTGTGTAGTTCAGTGATTAAGACTGT
 TTTCCAACATGGTTGCACCTTTTGTATTTCCATCAGCAGTTTGTGAGAGTTCCAGTTGCT
 TCACATTTCTTTCAAACCTTGAATGGCCAGTATTATAAGTTTTAATTTGGCCATCAT
 AATTGGTACAAAGTGGTATTCCATGAGGAGGAGTTTTGAAAGCACCTTAATTTTGCAATT
 CTTAGCAAACCTTAATTTACTCATTATTTATTGAACCAGAGACTCGTAATCTGTTTTCA
 ACACAGATTTCAAATTATTTAAAACCTTAGGACGAACCTTTGGCTTTCCGTTAAAGAC
 GTTTGAAAAGGTACAAGAAAGGACCAACGTTTCTGAGTGAACCTAAGAAGGGGAAGAGT
 GCACTCGCTACCAAAAAGGAGCGCCCTCCCTGAAACAAAAAGGGCCGTAACGAAAA
 CACCCACCCCAACGCAAGAGAAAACTTGTGAGGCCGAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_006919

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_006919.1 , NP_008850.1
RefSeq Size:	1694 bp
RefSeq ORF:	1173 bp
Locus ID:	6317
UniProt ID:	P29508
Cytogenetics:	18q21.33
Domains:	SERPIN
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	May act as a papain-like cysteine protease inhibitor to modulate the host immune response against tumor cells. Also functions as an inhibitor of UV-induced apoptosis via suppression of the activity of c-Jun NH(2)-terminal kinase (JNK1).[UniProtKB/Swiss-Prot Function]