

Product datasheet for SC115415

SERPINB13 (NM_012397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB13 (NM_012397) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERPINB13
Synonyms:	headpin; HSHUR7SEQ; HUR7; PI13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115415 sequence for NM_012397 edited (data generated by NextGen Sequencing)

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ATGGATTCACTTGGCGCCGTCAGCACTCGACTTGGGTTTGTATCTTTTCAAAGAGCTGAAG
AAAACAAATGATGGCAACATCTTCTTTTCCCCTGTGGGCATCTTGACTGCAATTGGCATG
GTCCTCTGCGGGACCCGAGGAGCCACCGCTTCCAGTTGGAGGAGGTGTTTCACTCTGAA
AAAGAGACGAAGAGCTCAAGAATAAAGGCTGAAGAAAAAGAGGTGATTGAGAACACAGAA
GCAGTACATCAACAATCCAAAAGTTTTTACTGAAATAAGCAAACCTACTAATGATTAT
GAACTGAACATAACCAACAGGCTGTTTGGAGAAAAACATACCTTCTTCAAAAATAC
TTAGATTATGTTGAAAAATATTATCATGCATCTCTGGAACCTGTTGATTTTGTAAATGCA
GCCGATGAAAGTCGAAAGAAGATTAATTCCTGGGTTGAAAGCAAACAAATGAAAAATC
AAGGACTTGTCCAGATGGCTCTATTAGTAGCTTACCAAGCTGGTGTGCTGGTGAACATG
GTTTATTTTAAAGGGCAATGGGACAGGGAGTTTAAAGAAAGAAAATACTAAGGAAGAGAAA
TTTTGGATGAATAAGAGCACAAGTAAATCTGTACAGATGATGACACAGAGCCATTCCTTT
AGCTTCACTTTCTGGAGGACTTGCAGGCCAAAATTCTAGGGATTCCATATAAAAAACAAC
GACCTAAGCATGTTTGTGCTTCTGCCAACGACATCGATGGCCTGGAGAAGATAATAGAT
AAAATAAGTCCTGAGAAATTGGTAGAGTGGACTAGTCCAGGCATATGGAAGAAAGAAAG
GTGAATCTGCACTTGCCCGGTTTGAGGTGGAGGACAGTTACGATCTAGAGGCGGTCTCTG
GCTGCCATGGGGATGGGCGATGCCTTCAGTGAGCACAAGCCGACTACTCGGGAATGTCG
TCAGGCTCCGGGTTGTACGCCAGAAGTTCCTGCACAGTTCTTTTGTGGCAGTAACTGAG
GAAGGCACCGAGGCTGCAGCTGCCACTGGCATAGGCTTTTACTGTACATCCGCCCCAGGT
CATGAAAATGTTCACTGCAATCATCCCTTCTGTTCTTTCATCAGGCACAATGAATCCAAC
AGCATCTCTTCTCGGCAGATTTTCTTCTCTTAA

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Clone variation with respect to NM_012397.3
877 g=>a;1047 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012397 unedited</p> <p>GCGGCAAAACCCCTTCGCACGAGCAGGTGAAAAACTGCTGAAGCAGATGTGGAGAACTA TAAATTAAGGATCCCAGCTACTTAATTGACTTATGCTTCCTAGTTCGTTGCCAGCCACC ACCGTCTCTCCAAAAACCGAGGTCTCGCTAAAATCATCATGGATTCACTTGGCGCCGTC TTTTTCGACTTGGGTTTGATCTTTCAAAGAGCTGAAGAAAAACAATGATGGCAACATC TTCTTTTCCCCTGTGGGCATCTTGACTGCAATTGGCATGGTCTCTCTGGGACCCGAGGA GCCACCGCTTCCCAGTTGGAGGAGGTGTTTCACTCTGAAAAAGAGACGAAGAGCTCAAGA ATAAAGGCTGAAGAAAAAGAGGTATTGAGAACACAGAAGCAGTACATCAACAATTCCAA AAGTTTTTGACTGAAATAAGCAAACCTACTAATGATTATGAACTGAACATAACCAACAGG CTGTTTGGAGAAAAACATACCTCTTCCTTCAAAAATACTTAGATTATGTTGAAAAATAT TATCATGCATCTCTGGAACCTGTTGATTTTGTAAATGCAGCCGATGAAAGTCGAAAGAAG ATTAATTCCTGGGTTGAAAGCAAAAACAATGAAAAATCAAGGACTTGTCCCAGATGGC TCTATTAGTAGCTCTACCAAGCTGGTGTGGTGAACATGGTTTATTTAAAGGGCAATGG GACAGGGAGTTTAAAGAAGAAATACTAAGGAAGAGAAATTTGGATGAATAGAGCACAAAT AATCTGTACAGATGATGACACAGAGCCATTCTTTAGCTTACTTTTCTGGAGACTTGCA GGCAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012397 unedited</p> <p>TAGCTATGNACCGCGGCACGCAATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTTGAACACA AAGATCTTTATTTACATGTTTCAGAGCAACATTATTCCTAACAGCCAAGAAGTGGGAACAA TCCAAATGTCCCTCAACTGGTGAACCTAGAAATAAAATAAGTCTTTTCCATGCAATGGAA TAGTATTCGGCAATAAAAAAATTAAGTATCAATACATACTACAACAGATGAACCTCAAGA ACACCATGCTAAGTGCAAGACGCCAGACAAAAATACTACATGTATTATGATTCCATTTA TATAAGATGTAGAAAGAAAAACTTATAAAGACAGAAAAACAACCTAGTGGTGCCTAGGATT GGGAATATTAATAGACATGAGGAAACTTCTTAGGGTCATGGAAATATTCTAAAACCTGGAT TGTGGCGATGCATAACGCTAGAAATTTACTAAAAGTCAATGAATTATAAAATTACAGTGT GTACATTTTACGGCATGTAAATTGTAGTTTGACAAAGCTGTTAAAAATAAGCCAGTTATG TGATCTTGTTAAAAACTGGAGGAAAAAATGAAACAANGCCATANTTAAGAGCATTAGGT ATAGATTCAGAGCTTTCAAAAAGCATCTTCAGAAATATCATTTGTAATACTCGTACCTCA CTCAAAAAAAAAAAAAACCAGAAAATGGTAATGGAGAAAAAAGGAAACTTCCTAAAAGTTA GCCAAAATTTACCTTACAAAGCTAAAAAGGGATTAAAGGAGAATACTTGTCACTACCTCTT TATTTTCTAATAACCAATTTTTAAACCATTCAAAGCTATGCTCCACATGGAATGGTAAAG GGAAAGAAATCCGGCTCCCTCCTTGGAATGGTTTAAATTGGCGCGCTGGGTAAAAATAAGT GGCCGGGTTCCAACCTTTCTGGGGTTCCAATTGCGGGGAAAAAAGACCGGAAAAGGTG TTATTCTGGA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_012397
Insert Size:	2600 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_012397.2](#), [NP_036529.1](#)

RefSeq Size: 3143 bp

RefSeq ORF: 1176 bp

Locus ID: 5275

UniProt ID: [Q9UIV8](#)

Cytogenetics: 18q21.33

Domains: SERPIN

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is a member of the serpin family of serine protease inhibitors. The encoded protein inhibits the activity of cathepsin K and is itself transcriptionally repressed by RUNX1. This gene is downregulated in many types of cancer. [provided by RefSeq, Jan 2017]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.