

## Product datasheet for **SC117783**

### SPINT1 (NM\_003710) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPINT1 (NM_003710) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPINT1
Synonyms:	HAI; HAI1; MANSC2
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:** >NCBI ORF sequence for NM\_003710, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCTGCGAGGACGATGGCCCGGCCCGCTCGCCCGGCCGGCATCCCTGCCGTGCGCTTGTGGC
TTCTGTGACGCTCGGCCTCCAGGGCACCCAGGCCGGGCCACCGCCCGGCCCTGGGCTGCCCGCGGG
AGCCGACTGCCTGAACAGCTTTACCGCCGGGGTGCCTGGCTTCGTGCTGGACACCAACGCCTCGGTGAGC
AACCGAGCTACCTTCTGGAGTCCCCACCGTGCGCCGGGGCTGGGACTGCGTGCAGCCTGCTGCACCA
CCCAGAAGTGAACCTTGGCGCTAGTGGAGCTGCAGCCGACCGCGGGGAGGACGCCATCGCCGCTGCTT
CCTCATCAACTGCCTCTACGAGCAGAAGTTCGTGTGCAAGTTCGCGCCCAGGGAGGGCTTCATCAACTAC
CTCAGGAGGAAGTGTACCGCTCTACCGCAGCTGCGGACCCAGGGCTTTGGAGGGTCTGGGATCCCCA
AGGCCTGGGCAGGCATAGACTTGAAGGTACAACCCAGGAACCCCTGGTGTGAAGGATGTGAAAAACAC
AGATTGGCGCCTACTGCGGGGTGACACGGATGTCAGGGTAGAGAGGAAAGACCCAAACAGGTGAACTG
TGGGACTCAAGGAAGGCACCTACCTGTCCAGCTGACAGTGACTAGCTCAGACCACCCAGAGGACACGG
CCAACGTACAGTCACTGTGCTGTCCACCAAGCAGACAGAAGACTACTGCCTCGCATCCAACAAGGTGGG
TGCTGCGGGGGCTTTTCCACGCTGGTACTATGACCCACGGAGCAGATCTGCAAGAGTTTCGTTTAT
GGAGGCTGCTTGGGAACAAGAACAACCTACCTCGGGAAGAAGAGTGCATTCTAGCTGTGCGGGTGTGC
AAGGCCCTCCATGAAAAGGCGCCATCCAGTGTGCTCTGGCACCTGTGAGCCACCCAGTCCCGCTGCGAG
CAATGGCTGCTGCATCGACAGTTTCTGGAGTGTGACGACACCCCAACTGCCCGGACGCTCCGACGAG
GCTGCCTGTGAAAAATACACGAGTGGCTTTGACGAGCTCCAGCGCATCCATTTCCCAAGTGAACAGGGC
ACTGCGTGGACCTGCCAGACACAGGACTCTGCAAGGAGAGCATCCCGCGTGGTACTACAACCCCTTCA
CGAACACTGCCCCGCTTTACCTATGGTGGTGTACGGCAACAAGAACAACCTTTGAGGAAGAGCAGCAG
TGCTCGAGTCTTGTGCGGGCATCTCAAGAAGGATGTGTTGGCCTGAGGCGGGAAATCCCATTTCCA
GCACAGGCTCTGTGGAGATGGCTGTGCGAGTGTTCCTGGTTCATCTGCATTGTGGTGGTAGCCATCTT
GGTACTGCTTCTTCAAGAACCAGAGAAAGGACTTCCACGGACACCACCACCACCACCACCACCCTT
GCCAGCTCCACTGTCTCCACTACCGAGGACACGGAGCACCTGGTCTATAACCACACCACGCGCCCTCT
GA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003710 unedited

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GGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGACAGCACCCCTC
GGAACCCAGAGGCCCGCGCTCTGAAGGTGACCCCTGGGGAGGAAGGCGATGGCCCTG
CGAGGACGATGGCCCGCGCCCGCTCGCCCGGCCGGCATCCCTGCCGTGCGCTTGTGGC
TTCTGTGACGCTCGGCCTCCAGGGCACCCAGGCCGGGCCACCGCCCGGCCCTGGGC
TGCCCGCGGGAGCCGACTGCCTGAACAGCTTTACCGCCGGGGTGCCTGGCTTCGTGCTGG
ACACCAACGCCTCGTTCAGCAACGGAGCTACCTTCCTGGAGTCCCCACCGTGCAGCCGG
GCTGGGACTGCGTGCAGCCTGCTGCACACCCAGAAGTGAACCTTGGCGCTAGTGGAGC
TGCAGCCCGACCGCGGGGAGGACGCCATCGCCCGCTGCTTCCTCATCAACTGCCTTACG
AGCAGAAGTTCGTGTGCAAGTTCGCGCCAGGGAGGGCTTCATCAACTACCTCACGAGGG
AAGTGTACCGCTCTACCGCAGCTGCGGACCCAGGGCTTTGGAGGGTCTGGGATCCCCA
AGGCCTGNGCAGGCATAGACTTGAAGGTACAACCCAGGAACCCCTGGTGTGAAGGATG
TGGAAAACACAGATTGGCGCCTACTGCGGNGTGACACGGATGTCAGGGTAGAGAGGAAAG
ACCCAAACCCAGTGAAGTGTGGGACTCAAGGAAGCACCTACCTGTCCAGCTGACAGT
GACTAGCTCACACCACCCAGAGACACGGNCAACGTACAGTCACTGGGCTGTCCACCAAC
CAAAAAGAAAACACTGCCTCGCATCCAACAAGT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003710 unedited ATACTGTGGCTGGGACAGTCCATGTCTGTANAACCTTGGGGGTGGGGGCTGCGGAATGCA GCTGAGCCTCTCCTGGCTCTGTCTGCTGGTCTAGGCCAGGGTGGGGCTGATCAAGGGCAG AGAGCTCAATCTTGGGGGAAGAGGAAGAGAGGACAGAGAGGCCAAACAGGCCTCTCCCC TCCTCTTACCCATGCCACAGCATTAAATAAACAAAAAGCAACTCTTTACAGCACAACT ACACAGGAAGTCCTTCTCCAGCCCTGGGCGCACAGCATGGAAGAGGAGCTCGGGAGG ACAGGGTTGGGGCCTCCAGGGTCTGACACCACCCCACTCTCTTCTAGCACCATGGGGT AGGGACAGGCAGCTTTGAACAGAGGAAACAAACTCCAACCTTCTCCAACTCCTATGCA GGCAGGTCATCTAGTCTGGTACTTCTGGCCCAAGGGTTTTCTGCTCCTTCCAACTTTT GAGCTTTCTCAGGACGTGAGCTTAGCTGAGACTTCTCCAAGAGGGGCTGGAGCCCTGGTC TCTGAGGCACAGTGGGCCTGGGAAACAGGCAAGAGTCTGGTTCCAAAGTTTTTCCAGCC CAGGCCTCTGCCTTGGCAAGCAGGAAGCAGGGCCAGGTGAGAGCCGGTGAGACCCAGGCT CANAGGGCCGGGTGGTGTGTTATAGACCAGGTGCTCCGTGCTCCGTAGTGGAGACA GTGGANNCTGCAGNGTGGTGGTGGTGGGNGTNNGTNNCCNNGNNAATNCCCTTTT CTGGGTTCTGAAAAAGCATTACCCCAAGATGGGCTACCACCACCCCAATGCAGATGGA CCAGGAACCACTGGGACAGGCCATCCTCCACAGAGCCCGGGGCTGGGGATTGGGGGATT TTCCCGGGCTCAGGCCAACACATCCCTTCTTTGGAGATGCCCGGGACAAGAACTCTGA GGCCA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003710
<b>Insert Size:</b>	2560 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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_003710.3</a></u> , <u><a href="#">NP_003701.1</a></u>
<b>RefSeq Size:</b>	2436 bp
<b>RefSeq ORF:</b>	1542 bp
<b>Locus ID:</b>	6692
<b>UniProt ID:</b>	<u><a href="#">O43278</a></u>
<b>Cytogenetics:</b>	15q15.1
<b>Domains:</b>	Idl_recept_a, KU

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Gene Summary:** The protein encoded by this gene is a member of the Kunitz family of serine protease inhibitors. The protein is a potent inhibitor specific for HGF activator and is thought to be involved in the regulation of the proteolytic activation of HGF in injured tissues. Alternative splicing results in multiple variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).