

## Product datasheet for **SC112961**

### SPINT2 (NM\_021102) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPINT2 (NM_021102) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPINT2
Synonyms:	DIAR3; HAI-2; HAI2; Kop; PB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112961 sequence for NM_021102 edited (data generated by NextGen Sequencing)

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ATGGCGCAGCTGTGCGGGCTGAGGCGGAGCCGGGCGTTTCTCGCCCTGCTGGGATCGCTG
CTCCTCTCTGGGGTCTGGCGGCCGACCGAGAACGCAGCATCCACGACTTCTGCCTGGTG
TCGAAGGTGGTGGGCAGATGCCGGGCTCCATGCCTAGGTGGTACAATGTCAGTAC
GGATCCTGCCAGCTGTTTGTGTATGGGGCTGTGACGAAACAGCAATAATTACCTGACC
AAGGAGGAGTGCCTCAAGAAATGTGCCACTGTCACAGAGAATGCCACGGGTGACCTGGCC
ACCAGCAGGAATGCAGCGGATTCCTCTGTCCCAAGTGCTCCAGAAAGGCAGGATTCTGAA
GACCACTCCAGCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGG
CCTTGCCGTGCATCCTTCCACGCTGGTACTTTGACGTGGAGAGGAACTCCTGCAATAAC
TTCATCTATGGAGGCTGCCGGGCAATAAGAACAGCTACCGCTCTGAGGAGGCCTGCATG
CTCCGCTGCTTCCGCCAGCAGGAGAATCCTCCCTGCCCTTGGCTCAAAGGTGGTGGTT
CTGGCGGGGCTGTTCTGATGGTGTGATCCTCTTCTGGGAGCCTCCATGGTCTACCTG
ATCCGGGTGGCACGGAGGAACCAGGAGCGTGCCCTGCGCACCGTCTGGAGCTCCGGAGAT
GACAAGGAGCAGCTGGTGAAGAACACATATGTCCTGTGA
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Clone variation with respect to NM\_021102.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_021102 unedited</p> <pre> AGAGTCGGGATTTGTATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCCGGA GCGTCGGCACCTGAACGCGAGGGCTCCATTGCGCGTGC GCGTTGAGGGGCTTCCCGCAC CTGATCGCGAGACCCCAACGGCTGGTGGCGTCGCTGCGCGTCTCGGCTGAGCTGGCCAT GGCGCAGCTGTGCGGGCTGAGGCGGAGCCGGCGTTTCTCGCCCTGCTGGGATCGCTGCT CCTCTCTGGGGTCTGGCGGCCGACCGAGAACGAGCATCCACGACTTCTGCCTGGTGTC GAAGGTGGTGGCAGATGCCGGGCTCCATGCCTAGGTGGTGGTACAATGTCAGTACGCGG ATCCTGCCAGCTGTTTGTGTATGGGGCTGTGACGGAAACAGCAATAATTACCTGACCAA GGAGGAGTGCCCAAGAAATGTGCCACTGTACAGAGAATGCCACGGGTGACCTGGCCAC CAGCAGGAATGCAGCGGATTCTCTGTCCCAAGTCTCCAGAAGGCAGGATTCTGAAGA CCACTCCAGCGATATGTTCAACTATGAAGAATACTGCACCGCCAACGCAGTCACTGGGCC TTGCCGTGCATCCTTCCACGCTGGTACTTTGACGTGGAGAGGAACTCCTGCAATAACTT CATCTATGGAGGCTGCCCGGGCAATAAGAACAGTACCGCTCTGAGGAGGCTGCATGC TCCGCTGCTTCCGCCAGCAGGAGAATCCTCCCCTGCCCTTGGCTCANAGTTGGTGGTTT CTGGCGGGCTGTTCGTGAGGTGTTGATCCCTCTCTGGGAACCTCCTGGGACAAACTG ACCCGGTGGAAAGGGAGAACCAAGAGACGTCCCTGGCCACAGTCGTGGACACGGAAAATG ACANAAAAACCTTGTTTAT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_021102 unedited</p> <pre> GCCTTAGCTTGNCCGCGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTATTCTA AAGGGGAAGGCCCTTTTATTAACCTTGTACATTTTACTTTCTTTTCTTTTCTTTTCTTTT ATAAAAAACTTTTGTATACTTAAAAAACATAAATCAGACAAAACAAAAGAAACGATT CCAACATCACTTCTGCGATGAGAAAAGAGCAATGGAATTC AACATAAGCAAAGAAAAC CTACCTGGAGAAAGAAATCGATCAGCGAGGAAACA ACTCGGGGCTGCTGCCAGACTGCA GGCCATGCGAGGAGGAGCCTCTAGAGGATTTCCAAAGCAAACCCATCCCTGCCAGACCA GGAAGCAGCCGCCCTACCTCCCAGAGAAACAGACCTGAGCCCTAATGATCACTCAAATCC CGAGTCAACCCCTCTATCTAACAAAAGCCTCACACATAGTCCACCCCTCCCTTCCCAGCC CTCTCGCCGATAGGGCGCCACAGGACCCCGTGTCTTCCACAGCTGCTCCTTCGTGAT CTCCGGACTTCCACACGGCGCGCAGGCCACCCCTGTTTTCTCCGCGCCCCCGGCACA GGCAGACCCTGGCGGCTCTCAGGAAGAGGATCCCCTACTCTCTGAACAGTCCCGCCAGAA CCCTCACCCCTTGACCCAGGGCCCCGGCACGGACTCTCCGCTGGCCGCAACCACGCAA CATGCTAGCCCTCCCACCAGTACCCTGCCTCTATCGCCCGCCATCCTTCATTACGAC TCTTGCAGGCTCACTCTCCCCCCTAATCCCCACGTTGGACAGTTCCTGTTATGGCCC TCCCTTTCCTGCGCCCGCACCTTCTCTAACCTCAACTCCCTTTCCTGATTGCCCTCCCA CC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_021102
<b>Insert Size:</b>	1390 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).

**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\\_021102.2](#), [NP\\_066925.1](#)

**RefSeq Size:** 1571 bp

**RefSeq ORF:** 759 bp

**Locus ID:** 10653

**UniProt ID:** [O43291](#)

**Cytogenetics:** 19q13.2

**Domains:** KU

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This gene is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]  
Transcript Variant: This variant (a) represents the longer transcript and encodes the longer isoform (a).