

## Product datasheet for **SC102965**

### SNAP25 Interacting Protein (SRCIN1) (AK096097) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP25 Interacting Protein (SRCIN1) (AK096097) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNAP25 Interacting Protein
Synonyms:	P140; SNIP
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 AK096097, the custom clone sequence may differ by one or more nucleotides

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AGCCCCCAAGGCCCCACGGCCAGAAGGCAGCCCCCGAACGGAGCCAGTGGGAGGAGGGCTCAGA
TGAGTTGACCGTGCCCCGATACCGCACAGAGAAGCCCTCCAAGTCGCCCCACCGCCCCCTCCCGCCGG
AGCTTCCCCTCCTCCCATGGCCTGACCACCACACGTACCGGAGAGGTGGTGGTCACCAGCAAGAAGGACT
CGGCCTTCATCAAGAAGGCTGAGTCCGAGGAGCTGGAGGTGCAGAAGCCCTAGGTGAAGCTGCGCCGGC
TGTGTCTGAGGTGGCCCGCCAGCCTCCACACCACCCATCATGGCCTCGGCCATCAAGGACGAGGATGAC
GAGGATCGCATCATCGCAGAGCTAGAGGTGTTTGAGAGAAGCTCAGTGTCTTCCCTCCCCCACGCCCC
GCCGCCAGCTGATCCCCACCTTGCTGTCCCCCAGGACCTGGGGCCCCCGGGGGCTCAGCCCCAGGCC
TACACGGAAGAGTGGCGGAGGCAGTGTACCACCCATGAAGGTGGTACTCCGGGGCCTCTCGGTGAAG
GCGGCCAGGGCCAGGCGGGCAGCCCCGACAAAAGCAAACATGGCAAGCAGAGGGCCGAGTACATGCGGA
TCCAGGCCAGCAGCAGGTCTAATGAGCAGGCGCGGAGGCTGTGTGGAGAGTGGACATACCTCACCTGTG
GGTGTACTGCCCTTGTGGCCTGGTCAAGGCTGCAGGGTGGCTCCTGGACCCAGATGTTGTGAGAGAC
CCTTAGTGCACCTGTTTATTTAGTTAATATTTATGAGCAGCTCCTGTATGACAGGCCATTCTGGGTGT
GAGGGTGGGGGCTGTGATATGTCCAGATGCTCTCACTTAAAGAAGGTTCTAGACTCAGAGGCAAGACGTT
AGAGAAGGTTCTAGACTCAGAGGCAAGAGGTTAGAGATGGGTGAGTCCATCTCTTTTTCAGATGAGGGGG
CAGCTCAGAGGAGGAGAGGGGCTTCCAAAGGTGCACAGCAAGGTGGCATCACAGCCAGGATCGGGACCT
AGGAATCTTGAACCTTCCCTGCACCTGGCCCTGGGACAGCCCTGGGCACCCAAGGCCCTGCCTCCCTAC
TGGCTCCCAGGAGAAATTTCTCAAAAAGCAGCCCTCCAGCCCCCGCAGCCTCTCCACAGCTCCCACCTGC
CTCCTCATGGCCCCAGACACCTGCGAGCCCCACCTCCAGATCTTTTTCTGCCACTGCCAGGGATGAG
TTCCCCCTGTCTGTCCGGGCTGGACCTCCTGGGTGCCAGCAGAGCAGCTGACACTGACAGAGCTTTC
GCTGGGGCCAGGCATGCGCATTATCTCATCTCACACTCACACACTGAGGAAGGTCTATTACCCCATGT
GACGGGGCGGAAACTGAGGCTTAATCCAAGGCCACACGGCTAGCAAGTGGGGGGCAGGACACAAGTCCA
GACTGCCTCCCTCCCCACCACAAAGTGCTTTCAGCCTCTCCAGCAGCCCTTCCCTCAGCTTAATGATGT
TGCACCTGTTTCCACCCTAGTCCCTCCCTCCCCAGAGCCAGCTCCTCCGCTGTGGTGTGAGCCTCATGC
CTTTATGGCCCAGCCTCCACCCATCTCCGGGGTTCCTGGGTCTCCAGTGACATCGAGATGGGCTCTTT
TCACCCCTCCCTCCCTGCTCTGCAGCATGTGGCCTGTAGACCCCCCACCTGCATAGGGCTGTG
CAGACCTCTGTCTCAGCATCTCTCCAGCCTCCACCTGGAGCCTCTGGGCTCCTTCTGGGTGAC
TCCCTCTATTTTTGAGACGGAGTCTTGTCTGTCTCCAGGCTGGAGTCCAGTGGTGTGATCTCAGCTC
ACTGCAGCTCCGCTCCTGGGTTCAAGTGATTCTCGTGCTCAGCCTCCGAGCAGCTGAGACTACAGG
CTAATTACCACACTGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTACCATGTTGGCCAGGCTGGT
CTCAAACCTCCTGAGCTCAGGTGATCCTCCACCTCAGCCTCCAAAGTGCTGGGATTACAGGCGTGAGCC
ATTGCACCCTGCCTGGGCGACTCTCCTTGCCTGCCTTCCCTTCTGTGCCCACTCCTCAGCCTCTT
CTCCTCACACCATGCCTTCTCTCCTCAGGCACAGGTGCACTGCTTAGTCCCTGCCCCACCCAGGTCT
CCATTCTGAGCTCCAGTACCCACACACGCTTCCCCGGGCATCCCCAGGCTCCTCGAATGCGTGTGTCCA
GACATAATGCTCCCCGACCAGCTGCCCCAGCCGGTACGAGGCTGCCCCAGCTGCTGTCTCCCTCAGGA
AGGGTCCGCCACCCAGCCTTCCAAAGCCCTCCGTGCCCTGTCTCACTTCCAGTGTCCAGTAGCCT
TTCTTATAAACATGGCTTCTTTCTGTAAAGTAATAAATGTTTACAGTGG
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK096097 unedited  
 GTAATACGACTCACTATAGGGCGGCCCGATTTCGGCACGAGGCTGCTATTACAGGGCCCC  
 ACTCTCATCTGGTCTCCCTCTTAGCTCTTAGGCCACCCCTAGCCAAGGGAGAAGCCAAC  
 TTTGCATCTGCTTTTCAGCCTTGTTGGGTTTCAGTGGGGTACCTCCCGTCTTTGCA  
 AGGTTGGGTGGGACAGGGCGAGGCACTTTGGCCCTCAGGAAGGGTAGGGGTGCAGCAGG  
 AATTGCAGGGATGCCCAATCTCTTTTCAGGTCTAATGAGCAGGCGCGGAGGCTGTGTGA  
 GAGTGGACATACCTCACCTGTGGGTGTTTACTGCCCTTGTCGCTGGTCAGAGGCTGCAG  
 GGTGGCTCCTGGACCCAGATGTTGTGAGAGACCCTTAGTGCACTCGTTTGATTTAGTTAA  
 TATTTATGAGCAGCTCCTGTATGACAGGCCATTCTGGGTGTGAGGGTGGGGGCTGTGAT  
 ATGTCCAGATGCTCTCACTTAAAGAAGTTCTAGACTCAGAGGCAAGACGTTAGAGAAGG  
 TTCTAGACTCAGAGGCAAGAGGTTAGAGATGGGTGAGTCCATCTCTTTTTCAGATGAGGG  
 GGCAGCTCAGAGGAGGAGAGGGGCTTCCCAAAGTGCACAGCAAGGTGGCATCACAGCCA  
 GGATCGGGACCTAGGAATCTTGAACCCTTCCCTGCACTGGCCCTGNGACAGCCCTGNGC  
 ACNCAAGGCCCTGCCTCCCTACTGGCTCCAGGAAATTNCTCAAAACAGCCCTTCAGCC  
 CCCGNAGCCTCNCACAGTNCACCTGCCTNCTCATGGCCCCAGACACCCTGCGAGCCC  
 CACCTCCAGATCTTTTTCTGCCACTGCCANGNATGAGTNCCCTTGCTCTGTCNGGCT  
 GNACCCTNNCTGGTGCCAGCANAGCAGCTGCACTGACAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AK096097 unedited  
 TACATCTATGNNACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCCCTG  
 TAAACATTTACTTTACAAGAAAGAAGCCTGTTTATAAGAAAGGCTACTGGAGCACTG  
 GAAGTGAGACAGGGGCACGGAGGGGCTTGGGAAGGCTGGGGTGGGCGACCCTTCCCTGAG  
 GGAGACAGCAGCTGGGGCAGCCTCGTACCGGCTGGGGCAGCGTGGTGGGGGAGCATTAT  
 GTCTGGACACACGCAATTCGAGGAGCCTGGGGATGCCCGGGGAAGCGTGTGTGGGTGACTG  
 GAGCTCAGAATGGAGACCTGGGTGGGGCAGGGACTAAGCAGTGCACCTGGTGCCTGAGG  
 AGAGGAAGGCATGGTGTGAGGAGAAGAGGCTGAGGAGTGGGGCACAGGAAGGGAAGAGGC  
 AGGCAAAGGAGAGTCGCCAGGCAGGGTCAATGGCTCACGCCTGTAATCCCAGCACTTT  
 GGGAGGCTGAGGTGGGAGGATCACCTGAGCTCAGGAGTTTGAACCCANGAGCGGAGGCTGC  
 TCTCAGTGTCTCGGGAGGCTGANGCACGAGAATCACTTGAACCCANGAGCGGAGGCTGC  
 AGTGAGCTGAGATCACACCACTGGACTCCAGCCTGGGAGACAGAGCAAGACTCCGTCTCA  
 AAAATAGAGGGAGTCACCCGAAAGGAGCCAGAAAGCTCCCCAGTGGAGCTGGGGAGAGG  
 ATGCTGNAGAACANAGGGTCTGCACAGCCCTATGCANGTGTGGGGGGGGTCTACAAGGC  
 CACATGCTGCANAACANTGGGGGAAGGGGTGGAAAAAAACCCCTTCTTGTTCCTTG  
 GGAGACCCGGGAACCCCGAGATGGGTGGGGAGGCTTGGC

**Restriction Sites:**

NotI-NotI

**ACCN:**

AK096097

**Insert Size:**

2000 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:** [AK096097.1](#)

**RefSeq Size:** 2500 bp

**RefSeq ORF:** 2500 bp

**Locus ID:** 80725

**Cytogenetics:** 17q12

**Gene Summary:** Acts as a negative regulator of SRC by activating CSK which inhibits SRC activity and downstream signaling, leading to impaired cell spreading and migration. Regulates dendritic spine morphology. Involved in calcium-dependent exocytosis. May play a role in neurotransmitter release or synapse maintenance.[UniProtKB/Swiss-Prot Function]