

## Product datasheet for **SC115937**

### **SNT2 (FRS3) (NM\_006653) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SNT2 (FRS3) (NM_006653) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNT2
Synonyms:	FRS2-beta; FRS2B; FRS2beta; SNT-2; SNT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC115937 representing NM\_006653.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGGGAGCTGCTGCAGCTGCCTGAACAGAGACAGCGTTCCAGACAACCCACCAAGTCAAGGTG
ACAAATGTGATGATGAGGGGGTGGAGCTGGGCTCTGGGTGATGGAGCTGACGCAGAGTGAGTGGTG
CTGCACCTGCATCGGCCGTGAGCCGTCCGCTGGCCTTATCTCTGCTTGGCGCGCTATGGCTACGACTCC
AACCTCTTCTCCTTTGAGAGTGGCCGCCGATGTACAGACAGGCCAGGAATATTTGCAATTTAAGTGTCC
CGGGCTGAGGAAATCTTCAACCTCCTTCAGGATCTGATGCAGTGAACAGCATCAATGTGATGGAAGAG
CCTGTCATCATACCCGCAATAGCCACCCCGCTGAGCTTGACCTCCCTCGAGCCCCCAGCCACCCAAT
GCTCTAGGCTACACTGTCTCCAGCTTTTCCAATGGCTGCCCTGGAGAGGGCCACGATTCTCAGCTCCC
CGCGCGCTCTCGACAAGCAGCCTGCGGCACCCCTCGCTGGGGAAGAGTCCACCCATGCCCTCATTGCT
CCTGATGAGCAGTCCCACACCTATGTCAACACACCGGCCAGTGAAGATGACCACCGCAGGGGCCGCCAC
TGCTGCAGCCCCTGCCTGAGGGTCAGGCACCCCTCCTCCCGCAGCCCCGGGACCTGACCAACGGGAC
CCACAGGTGTTCTTGACGCCAGGCCAGGTGAAGTTTGTGTTGGGCCCGACCCCTGCTCGCGGCACATG
GTGAAGTGCCAGGGCCTCTGTCCAGCCTGCATGACCCCCACACCACAATAATAACAATGAGGCCCTT
TCTGAGTGTCCAGCCCAGCCCAAGTGCACCTACGAGAAGTCCACCGGGGGCTGTGGCGAGGGGGTGGC
TGGAGACTGAGCCAGAGGAGCCGGGCTGGAATGGCCTTGCCACCGCCGGGCGCCCTGCTGCACTAT
GAGAACCTGCCCCACTGCCCTGTGTGGAAAGCCAAGCCAGCAGCTGGGAGGGGAGGCTGGGGAT
GATGGGGACTCGAGGGATGGGCTCACACCCTCTCCAATGGCTTCCCTGATGGTGAAGGAGCAGAGACC
CCTGTCAGAAAGCCACCAGCACCAGCCGCGCCATCCGAGCCACGGCAGCTTTCCTGTGCCACTGACC
CGCCGCGCGGCTCCCCAAGGGTCTTCACTTTGATTTCCGCGCCGGGCGCCGAGCCCCCAAGGCAG
CTTAACATACATCCAGGTGGAGCTAAAGGGTGGGCTGGAGACCGCCCTAAGGGGCCCCAGAACCCCTCG
AGCCCCAAGCCCCATGCCACACCCACCCTGCCCGAAGCTCAGACTCCTACGCCGTGATTGACCTC
AAAAAGACCGTGCCATGTCCAACCTGCAGAGAGCTCTGCCCGAGACGATGGCACCGCCAGGAAAAAC
CGGCACAACAGCACCGACCTGCCTCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_006653

**Insert Size:** 1479 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_006653.4](#)

**RefSeq Size:** 2198 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 10817

**UniProt ID:** [O43559](#)

**Cytogenetics:** 6p21.1

**Protein Families:** Druggable Genome

**MW:** 54.5 kDa

**Gene Summary:** This gene encodes a substrate for the fibroblast growth factor receptor. The encoded protein is found in the peripheral plasma membrane and links fibroblast growth factor receptor stimulation to activators of Ras. The encoded protein down-regulates extracellular regulated kinase 2 through direct binding. [provided by RefSeq, Jul 2013]