

Product datasheet for **SC322263**

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-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for SC322263
 GAACCTTCCCATGCCCTCCCACGGTCAGCTCCCCGATGGCCTGGGTGAGGGCAGGCT
 GGCTGCTCTGACACCATGGGGAGCTGCTGCAGCTGCCTGAACAGAGACAGCGTTCAGAC
 AACCCCCACCAAGTTCAAGGTGACAAATGTGGATGATGAGGGGTGGAGCTGGGCTCT
 GGGGTGATGGAGCTGACGCAGAGTGAGCTGGTGTGCACCTGCATCGGCGTGAGGCCGTC
 CGCTGGCCTTATCTCTGCTTGGCGCGCTATGGCTACGACTCCAACCTCTTCTCCTTTGAG
 AGTGGCCCGCGATGTGACAGAGCCAGGGAATTTTGCATTTAAGTGTTCCCGGGCTGAG
 GAAATCTTCAACCTCCTTCAGGATCTGATGCAGTGCAACAGCATCAATGTGATGGAAGAG
 CCTGTCTATCATCACCCGCAATAGCCACCCCGCTGAGCTTGACCTCCCTCGAGCCCCCAG
 CCACCAATGCTCTAGGCTACACTGTCTCCAGCTTTTCCAATGGCTGCCCTGGAGAGGGC
 CCACGATTCTCAGCTCCCGGGCGCTCTCGACAAGCAGCCTGCGGCACCCCTCGTTGGG
 GAAGAGTCCACCATGCCCTCATTGCTCCTGATGAGCAGTCCCACACCTATGTCAACACA
 CCGGCCAGTGAAGATGACCACCGCAGGGGCCGCGCACTGCCTGCAGCCCTGCCTGAGGGT
 CAGGCACCCTTCTCCCGCAGGCCCGGGACCTGACCAACGGGACCCACAGGTGTTCTTG
 CAGCCAGGCCAGGTGAAGTTTGTGTTGGGCCCGACCCCTGCTCGGCGGCACATGGTGAAG
 TGCCAGGGCCTCTGTCCCAGCCTGCATGACCCCCACACCACAATAATAACAATGAGGCC
 CCTTCTGAGTGTCCAGCCAGCCCAAGTGCACCTACGAGAACGTACCCGGGGGGTGTGG
 CGAGGGGCTGGCTGGAGACTGAGCCAGAGGAGCCGGGCTGGAATGGCCTTGCCACCCG
 CGGGCCGCTCTGCTGACTATGAGAACCTGCCCCACTGCCCCCTGTGTGGGAAAGCCAA
 GCCCAGCAGCTGGGAGGGGAGGCTGGGGATGATGGGGACTCGAGGGATGGGCTCACACCC
 TCTTCCAATGGCTTCCCTGATGGTGAGGAGGACGAGACCCACTGCAGAAGCCACCAGC
 ACCCGGGCCGCCATCCGCAGCCACGGCAGCTTTCCTGTGCCACTGACCCGCCCGCGCGC
 TCCCCAAGGGTCTTCACTTTGATTTCCGCCGGCCGGGGCCGAGCCCCAAGGCAGCTT
 AACTACATCCAGGTGGAGCTAAAGGGCTGGGGTGGAGACCGCCCTAAGGGGCCCAAGAAC
 CCTCGAGCCCCAAGCCCCATGCCACCACCACCCTGCCCGAAGCTCAGACTCTAC
 GCCGTGATTGACCTCAAAAAGACCGTGGCCATGTCCAACCTGCAGAGAGCTTGCCCCGA
 GACGATGGCACCGCCAGGAAAACCCGGCACAACAGCACCAGCCTGCCTCTGTAGGGACTT
 CCCGGTCTCACCACCCTGCCCCACCATGATCCAGCCTCTGCCTCACACTCCTGTCTCT
 CTGAACCCACCCTCCCCAGGGTTCAGGGTTGCTTTCAGAAAGGCATGGAGGTGGGACCAG
 ATGCTTCCCTGTGCTGGCTGGAGTCCCCAGAGATATCAGCCACCGAGTCTCCTGGTCTGT
 CTCAGGCTGGGAAGAGAAGGGTGACCAGGCGAGGAGGGAGCCGAGACGTCAACTGTGAA
 GGGTTCCTGTGATTGCGTTTAGCGCCCTCCCGTCTGTCCATTTGTCTTGTCTGCCGACT
 GTCCTGTGTGTTTTTTTTGGTTGGAATTTTGAACATTTTGTACCTGTTGATTTTATTT
 ATCAGTTTATTTTCTATTTATTGTTTTAAATGTAATTTAACATTTTATTATTAATATA
 ATTATTTTTAAATTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_006653

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 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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_006653.3](#), [NP_006644.1](#)

RefSeq Size: 2200 bp

RefSeq ORF: 1479 bp

Locus ID: 10817

UniProt ID: [O43559](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome

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]