

Product datasheet for **RG203801**

SNT2 (FRS3) (NM_006653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNT2 (FRS3) (NM_006653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNT2
Synonyms:	FRS2-beta; FRS2B; FRS2beta; SNT-2; SNT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203801 representing NM_006653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAGCTGCTGCAGCTGCCTGAACAGAGACAGCGTTCAGACAACCAACCCACCAAGTTCAGGTGA
 CAAATGTGGATGATGAGGGGGTGGAGCTGGGCTCTGGGGTATGGAGCTGACGCAGAGTGAGCTGGTGCT
 GCACCTGCATCGGCGTGAGGCCGTCCGCTGGCCTTATCTCTGCTTGGCGGCTATGGCTACGACTCCAAC
 CTCTTCTCCTTTGAGAGTGGCCGCCGATGTGACAGGCCAGGAATATTTGCATTTAAGTGTCCCGGG
 CTGAGGAAATCTTCAACCTCCTTCAGGATCTGATGCAGTGCAACAGCATCAATGTGATGGAAGAGCCTGT
 CATCATCACCCGCAATAGCCACCCCGCTGAGCTTGACCTCCCTCGAGCCCCCAGCCACCCAATGCTCTA
 GGCTACACTGTCTCCAGCTTTTCCAATGGCTGCCCTGGAGAGGGCCACGATTCTCAGCTCCCCGGCGGC
 TCTCGACAAGCAGCCTGCGGCACCCCTCGCTTGGGAAGAGTCCACCATGCCCTCATTGCTCCTGATGA
 GCAGTCCCACACCTATGTCAACACACCGGCCAGTGAAGATGACCACCGCAGGGGCCGCGCTGCCTGCAG
 CCCCTGCCTGAGGGTCAAGCACCCCTTCTCCCGCAGGCCCGGGGACCTGACCAACGGGACCCACAGGTGT
 TCTTGACGCCAGGCCAGGTGAAGTTTGTGTTGGGCCCGACCCCTGCTCGCGGCACATGGTGAAGTGCCA
 GGGCCTCTGTCCAGCCTGCATGACCCCCACACCACAATAACAATGAGGCCCTTCTGAGTGTCCA
 GCCCAGCCCAAGTGACCTACGAGAAGTCAACGGGGGCTGTGGCGAGGGGCTGGCTGGAGACTGAGCC
 CAGAGGAGCCGGGCTGGAATGGCCTGCCACCGCCGGGCGCCCTGCTGCACTATGAGAAGCTGCCCCC
 ACTGCCCCCTGTGTGGGAAAGCCAAGCCAGCAGCTGGGAGGGGAGGCTGGGGATGATGGGACTCGAGG
 GATGGGCTCACACCCTCTTCCAATGGCTTCCCTGATGGTGAGGAGGACGAGACCCCACTGCAGAAGCCCA
 CCAGCACCCGGGCCCATCCGACGCCACGGCAGCTTCTGTGCCACTGACCCGCCCGCGCGCTCCCC
 AAGGGTCTTCAACTTTGATTTCCGCCGGCCGGGGCCGAGCCCCCAAGGAGCTTAACATACATCCAGGTG
 GAGCTAAAGGGCTGGGTGGAGACCGCCCTAAGGGGCCCGAGAACCCCTGAGCCCCAAGCCCCCATGC
 CCACCACCCACCTGCCGAAGCTCAGACTCCTACGCCGTGATTGACCTCAAAAAGACCGTGGCCATGTC
 CAACCTGCAGAGAGCTCTGCCCCGAGACGATGGCACCGCCAGGAAACCGGCACAACAGCACCGACCTG
 CCTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203801 representing NM_006653
 Red=Cloning site Green=Tags(s)

MGSCCCLNRDSVPDNHPTKFKVTNVDDDEGVELGSGVMELTQSELVLHLHRREAVRWPYLCLRRYGYDSN
 LFSFESGRRCQTGQIFAFKCSRAEEIFNLLQDLMQCNSINVMEEPVITRNSHPAELDLPRAPQPPNAL
 GYTVSSFSNGCPGEGPRFSAPRRLSTSLRHPSLGEESTHALIAPDEQSHTYVNTPASEDDHRRGRHCLQ
 PLPEGQAPFLPQARGPDQRDPQVFLQPGQVKFVLGPTPARRHMKVQCGLCPSLHDPHHNNNEAPSECP
 AQPCKTYENVTGGLWRGAGWRLSPEEPGWNLARRAALLHYENLPPLPPVWESQAQQLGGEAGDDGDSR
 DGLTPSSNGFPDGEEDETPLQKPTSTRAAIRSHGSFPVPLTRRRGSPRVFNDFRRPGPEPPRQLNYIQV
 ELKGWGGDRPKGPQNPPSPQAPMPTTHPARSSDYAVIDLKKTVMASNLQRALPRDDGTARKTRHNSTD
 PL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006653

ORF Size: 1476 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 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

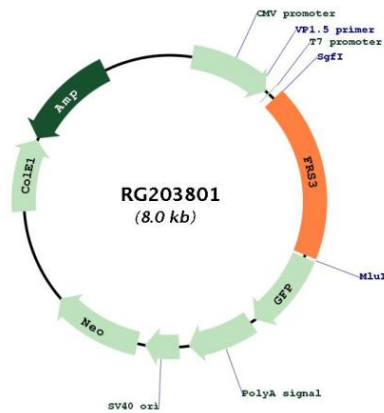
Reconstitution Method:

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_006653.5](#)

RefSeq Size:	2200 bp
RefSeq ORF:	1479 bp
Locus ID:	10817
UniProt ID:	<u>O43559</u>
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]

Product images:



Circular map for RG203801