

Product datasheet for **RG238683**

SNTG1 (NM_001287813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNTG1 (NM_001287813) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNTG1
Synonyms:	G1SYN; SYN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238683 representing NM_001287813.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGATTTCAGAACCGCCTGTGAGGAGACAAAGACAGGAATTTGTTTGCTGCAGGATGGTAACCAGGAG
CCTTTCAAAGTGGCGCTGCACCTAGCCAAAGACATTTTGATGATCCAGGAACAGGATGTGATATGTGTG
TCTGGTGAGCCTTTCTATTCTGGTGAAAGAACCGTGACCATCAGAAGACAAAACAGTAGGAGGATTTGGA
TTAAGCATAAAAGGGAGGAGCAGAACATAACATTCCAGTTGTCGTTTCAAAAATCTCCAAGGAACAAAGA
GCGGAACTTTCAGGACTACTTTTTATTGGAGATGCAATTCTACAGATAAAATGGCATTAATGTGAGAAAA
TGTAGACATGAAGAAGTGGTTCAGGTTCTTCGGAATGCTGGAGAAGAGTGACTCTAACAGTGTCAATTT
TAAAAAGAGCACCTGCTTCTCAAACTCCCATTGAATGAAGATTGTGCATGTGCTCCAAGTGACCAG
AGCAGTGGCACCTCCTCCTCTCTGTGACAGTGGCTTACATCTCAACTACCATCCCAACAATACAGAC
ACATTATCATGCTCGTGGCCGACGCTCCAGGCTTGAGGTGGGAGAAGCGATGGTGCGACCTCAGA
CTGATCCCTCTACTTCATTCGCGCTTCTCTCAGTATGTGCCCGCACAGATTTGAGTCGGCAGAATGCC
TTTCAAGTCATTGCTGTGGATGGGGTCTGCACTGGGATTATTCAGTGCCTCTCTGCTGAAGACTCGGTT
GACTGGCTACAAGCAATAGCAACTAACATTTCAAATCTCACAAAAGCACAATATAAAAAAAATCAACAGA
AACTTCTCTGTAAAACCAGCAGATTGCTACATGGGCTGGTGTGAAGCCGGGAGCAAGACCCCTCCAG
GACAGAGTGTACTCCCGACCTTCTGGCCCTGAGGGGCTCATGTCTCTACAAGTTTCTGGCACCTCCA
GTGACCACCTGGGACTGGACAAGAGCAGAGAAACATTCTCAGTTTATGAGATTATGTGCAAGATCCTC
AAGGACAGTGACTGTGGACCGACGGAACAGTGCTTACCCGTGCAGTCTGAGTCTGGGAGGACCTG
TACTTCTCAGTGGAGCTGGAAAGTGACCTCGCCAGTGGGAAAGAGCCTTCCAGACAGCAACCTTTCTA
GAAGTAGAACGGATACAGTGCAAGACCTATGCATGTGTGCTAGAAAGTCACTAATGGGACTCACAAT
GATTTCAGCACAGGATTTATCTGCTTTGATGCTGCAACAAAAGGCTGCTTTGGAGGTATAAATCTCT
CAGCTTAAAGTTCTTCAGATGATGGCAAGAGCAAAATCAAATTTTGTTTCAGAATCCAGATACTAAA
CAGATTGAAGCAAGGAGTTGGAATTTTCTAATTTATTTGCTGTTCTTCACTGCATTCAATCCTTCTTT
GCTGCCAAGGTAGCTTGTTTGGACCCTCTATTTTAGGCAATCAAGCTACTGCTTCTACTGCTGCCAGC
TCTGCTACCAGGAAAGCAAGTATACAACT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238683
 Blue=ORF Red=Cloning site Green=Tag(s)

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MDFRTACEETKTGICLLQDGNQEPFKVRLHLAKDILMIQEQDVICVSGEPFYSGERTVTIRRQTVGGFG
LSIKGGAEHNIPVVVVSKISKEQRAELSGLLFIGDAILQINGINVRKCRHEEVVQVLRNAGEEVTLTVSF
LKRAPAFLKPLNEDCACAPSDQSSGTSSPLCDSGLHLNYHPNNTDLSCSSWPTSPGLRWEKRWCDLR
LIPLLHSRFSQYVPGTDLSRQNAFQVIAVDGVCTGIIQCLSAEDCVDWLQAIATNISNLTKHNIKKINR
NFPVNQIVYMGWCEAREQDPLQDRVYSPTFLALRGSCLYKFLAPPVTTWDWTRAEKTFSVYEIMCKIL
KDSDLDRRKQCFTVQSESGEDLYFSVELESDLAQWERAFQTATFLEVERIQCKTYACVLESHLMGLTI
DFSTGFICFDAATKAVLWRYKFSQLKGSSDDGKIKFLFQNPDTKQIEAKELEFSNLFAVLHCIHSFF
AAKVACLDPLFLGNQATASTAASSATTSKAKYTT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

Sgfl-Mlul

ACCN:	NM_001287813
ORF Size:	1551 bp
OTI Disclaimer:	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).
RefSeq:	NM_001287813.3
RefSeq Size:	3214 bp
RefSeq ORF:	1554 bp
Locus ID:	54212
UniProt ID:	Q9NSN8
Cytogenetics:	8q11.21
MW:	58 kDa
Gene Summary:	The protein encoded by this gene is a member of the syntrophin family. Syntrophins are cytoplasmic peripheral membrane proteins that typically contain 2 pleckstrin homology (PH) domains, a PDZ domain that bisects the first PH domain, and a C-terminal domain that mediates dystrophin binding. This family member plays a role in mediating gamma-enolase trafficking to the plasma membrane and in enhancing its neurotrophic activity. Mutations in this gene are associated with idiopathic scoliosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016]