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Product datasheet for SC113274

SNTG1 (NM_018967) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNTG1 (NM_018967) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNTG1
Synonyms:	G1SYN; SYN4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC113274 sequence for NM_018967 edited (data generated by NextGen Sequencing)

ATGGATTTCAGAACCGCCTGTGAGGAGACAAAGACAGGAATTTGTTTGCTGCAGGATGGT
AACCAGGAGCCTTTCAAAGTGCGGCTGCACCTAGCCAAAGACATTTTGATGATCCAGGAA
CAGGATGTGATATGTGTGTCTGGTGAGCCTTTCTATTCTGGTGAAAGAACGGTGACCATC
AGAAGACAAACAGTAGGAGGATTTGGATTAAGCATAAAGGGAGGAGCAGAACATAACATT
CCAGTTGTCGTTTCAAAAATCTCCAAGGAACAAAGAGCGGAACTTTCAGGACTACTTTTT
ATTGGAGATGCAATTCTACAGATAAATGGCATTAATGTGAGAAAATGTAGACATGAAGAA
GTGGTTCAGGTTCTTCGGAATGCTGGAGAAGAAGTGACTCTAACAGTGTCATTTTTAAAA
AGAGCACCTGCTTTCCTCAAACTCCCATTGAATGAAGATTGTGCATGTGCTCCAAGTGAC
CAGAGCAGTGGCACCTCCTCTCCTCTCTGTGACAGTGGCTTACATCTCAACTACCATCCC
AACAATACAGACACATTATCATGCTCGTCGTGGCCGACGTCTCCAGGCTTGAGGTGGGAG
AAGCGATGGTGCGACCTCAGACTGATCCCTCTACTTCATTCGCGCTTCTCTCAGTATGTG
CCCGGCACAGATTTGAGTCGGCAGAATGCCTTTCAAGTCATTGCTGTGGATGGGGTCTGC
ACTGGGATTATTCAGTGCCTCTCTGCTGAAGACTGCGTTGACTGGCTACAAGCAATAGCA
ACTAACATTTCAAATCTCACAAAGCACAATATTAAAAAAATCAACAGAAACTTTCCTGTA
AACCAGCAGATTGTCTACATGGGCTGGTGTGAAGCCCGGGAGCAAGACCCCCTCCAGGAC
AGAGTGTACTCCCCGACCTTCCTGGCCCTGAGGGGCTCATGTCTCTACAAGTTTCTGGCA
CCTCCAGTGACCACCTGGGACTGGACAAGAGCAGAGAAAACATTCTCAGTTTATGAGATT
ATGTGCAAGATCCTCAAGGACAGTGACCTGCTGGACCGACGGAAACAGTGCTTCACCGTG
CAGTCTGAGTCTGGGGAGGACCTGTACTTCTCAGTGGAGCTGGAAAGTGACCTCGCCCAG
TGGGAAAGAGCCTTCCAGACAGCAACCTTTCTAGAAGTAGAACGGATACAGTGCAAGACC
TATGCATGTGTGCTAGAAAGTCATCTAATGGGACTCACAATTGATTTCAGCACAGGATTT
ATCTGCTTTGATGCTGCAACAAAGGCTGTCCTTTGGAGGTATAAATTCTCTCAGCTTAAA
GGTTCTTCAGATGATGGCAAGAGCAAAATCAAATTTTTGTTTCAGAATCCAGATACTAAA
CAGATTGAAGCAAAGGAGTTGGAATTTTCTAATTTATTTGCTGTTCTTCACTGCATTCAT
TCCTTCTTTGCTGCCAAGGTAGCTTGTTTGGACCCTCTATTTTTAGGCAATCAAGCTACT
GCTTCTACTGCTGCCAGCTCTGCTACCACGAGCAAAGCAAAGTATACAACTTGA

Clone variation with respect to NM_018967.2
987 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018967 unedited
NGTCAAAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGTTAGGGGCT
CCCGTCCCCTTACTTCAGCACCAGAGGGGATGGACAGCGTCTCCGGACTGAGCTGCAGCC
ACAGGGACGGAACTACGCTGCCGCCGCCGCTGTCCTTGCCGCCACTGTCGTCGCCACGGG
CAGCTGGGCTACTTGCTCCTCGCAGCTAAAAGGCGGTGCCTCCTATTACCCCCTCGCCTC
CCGGCCCCCTTCCTTAATGGATGAAAAGTACCCCTCCCTCTACATCTGCTGTACCTAAGG
ACAGGACTCTGAGGAGTACTCTTGCTCCACAGATTAAACTCTCAGCAGCAACTTCAAGAA
TCATTTTTCTATAGGGGTCTGGGAGGAATTCTGGAGGAGAGTAAAGTCGAAGTTCTTAGA
AGCTCTGAGAAATCATGGGCCGTGCGGTAGGGGTTGAAATGCTCAAAGGTCCACACTTCT
TGAAATAAACAGAATGGTCTTGAGTGGATTGCAACTGTTTTGGAAATAGCTTTGTGAAAA
GAGGGTGGAGAGCTACTCAAAATTCTACGTTAGAGAGACTGAAAAGACATCTAATTTCAT
TGCTCGGCAGACTGCTCTCCAGAATGTTGAGATTGCCCGAGAAGTGACCCCAGCAAAAGA
AAAATATTGCTGTACCTAAATTCAAACGACATCCTTTTGTGGTGCCACAGCACATGGATT
TCAGAACCGNCTGTGNAGAGACAAGACAGGAATTTGTTTGCTGCAGGATGGGTACCAGAA
GCCTTTCAAAGTGCGGCTGCACCTAGCCAAGACATTNTGATGATCCCAGACAGGATGTGA
TATGTGTGGCTGGTGAGCCTTCTATTCTGGTGAAGAAACGTGACATCAAAGACAACGTAG
GAGATTTGGATAGCATAGGGAGGAGCGACTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018967 unedited
CCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTAATCATTTAATAAGTATTTTTATT
CATAGGTAGCTTACTATTTTTATGTTATTTACATACTTCTTCAAATAATTTATTCTTTTG
TCTCCACTTTTGGTGAAAGCAATACACTTACTGGTACAAAGCAACTGAGTGAGAACAAGC
TGTTCTGTTCATGTAGTATATTTCACAGATGTCATCCAGAATAGAAGTGTTTTTGAGGTT
CCACATGACCTTCTTTTTCTGCCGAAATTTTGATTTGCCTCCACTGTCGACTTGGTGATG
TTATGGTTTCTCTAGGGTCTAAAATGATGAGTAAATGTGTCCTGCTTATACAGTCATGGG
GTGTGTCAATGAAGAGTTCAGTATGTCAAGTTGTATACTTTGCTTTGCTCGTGGTAGCAG
AGCTGGCAGCAGTAGAAGCAGTAGCTTGATTGCCTAAAAATAGAGGGTCCAAACAAGCTA
CCTTGGCAGCAAAGAAGGAATGAATGCAGTGAAGAACAGCAAATAAATTAGAAAATTCCA
ACTCCTTTGCTTCAATCTGTTTAGTATCTGGATTCTGAAACAAAAATTTGATTTTGCTCT
TGCCATCATCTGAAAGAACCTTTAAGCTGAGAGAATTTATACCTCCACAAGACAGCCTTT
GTTGCAGCATCAAAGCAGATAAACCCTGTGCTGAAATCAATTGGGAGTCCCATAAAATGA
CCTTTTAGCACACATGCATAAGTTCTTGCACTGTATCCGTTCTACTTTAAAAAAGTTGCT
GTCTGGAAGGCTCTTCCACATGGCCGAGGCACTTTTCAGCTCCACTGAAATTCAAGGTCC
TCCCAACTCAACTGCCCGGTGAGCCTGGTTCCGTCGGCCACCAGGCCCTGCCCTGAAGGA
CTTGCCACTAACCTAAAACGAAAAGTTCTTCTGCTTTGGCCNTCCCAGTGGTACTGGAGG
CCAAACATGTAACACTGACCCCACGTCCGAAGTT

Restriction Sites: NotI-NotI

ACCN: NM_018967

Insert Size: 2600 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: NM_018967.1, NP_061840.1

RefSeq Size: 3416 bp

RefSeq ORF: 1554 bp

Locus ID: 54212

UniProt ID: Q9NSN8

Cytogenetics: 8q11.21

Domains: PDZ, PH

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]
Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 2 and 4 all encode isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.