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Product datasheet for SC336577

SNTG1 (NM_001287813) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: SNTG1 (NM_001287813) Human Untagged Clone

Tag: Tag Free

Symbol: SNTG1

Synonyms: G1SYN; SYN4

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC336577 representing NM_001287813.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGATTTCAGAACCGCCTGTGAGGAGACAAAGACAGGAATTTGTTTGCTGCAGGATGGTAACCAGGAG
CCTTTCAAAGTGCGGCTGCACCTAGCCAAAGACATTTTGATGATCCAGGAACAGGATGTGATATGTGTG
TCTGGTGAGCCTTTCTATTCTGGTGAAAGAACGGTGACCATCAGAAGACAAACAGTAGGAGGATTTGGA
TTAAGCATAAAGGGAGGAGCAGAACATAACATTCCAGTTGTCGTTTCAAAAATCTCCAAGGAACAAAGA
GCGGAACTTTCAGGACTACTTTTTATTGGAGATGCAATTCTACAGATAAATGGCATTAATGTGAGAAAA
TGTAGACATGAAGAAGTGGTTCAGGTTCTTCGGAATGCTGGAGAAGAAGTGACTCTAACAGTGTCATTT
TTAAAAAGAGCACCTGCTTTCCTCAAACTCCCATTGAATGAAGATTGTGCATGTGCTCCAAGTGACCAG
AGCAGTGGCACCTCCTCTCCTCTCTGTGACAGTGGCTTACATCTCAACTACCATCCCAACAATACAGAC
ACATTATCATGCTCGTCGTGGCCGACGTCTCCAGGCTTGAGGTGGGAGAAGCGATGGTGCGACCTCAGA
CTGATCCCTCTACTTCATTCGCGCTTCTCTCAGTATGTGCCCGGCACAGATTTGAGTCGGCAGAATGCC
TTTCAAGTCATTGCTGTGGATGGGGTCTGCACTGGGATTATTCAGTGCCTCTCTGCTGAAGACTGCGTT
GACTGGCTACAAGCAATAGCAACTAACATTTCAAATCTCACAAAGCACAATATTAAAAAAATCAACAGA
AACTTTCCTGTAAACCAGCAGATTGTCTACATGGGCTGGTGTGAAGCCCGGGAGCAAGACCCCCTCCAG
GACAGAGTGTACTCCCCGACCTTCCTGGCCCTGAGGGGCTCATGTCTCTACAAGTTTCTGGCACCTCCA
GTGACCACCTGGGACTGGACGAGAGCAGAGAAAACATTCTCAGTTTATGAGATTATGTGCAAGATCCTC
AAGGACAGTGACCTGCTGGACCGACGGAAACAGTGCTTCACCGTGCAGTCTGAGTCTGGGGAGGACCTG
TACTTCTCAGTGGAGCTGGAAAGTGACCTCGCCCAGTGGGAAAGAGCCTTCCAGACAGCAACCTTTCTA
GAAGTAGAACGGATACAGTGCAAGACCTATGCATGTGTGCTAGAAAGTCATCTAATGGGACTCACAATT
GATTTCAGCACAGGATTTATCTGCTTTGATGCTGCAACAAAGGCTGTCCTTTGGAGGTATAAATTCTCT
CAGCTTAAAGGTTCTTCAGATGATGGCAAGAGCAAAATCAAATTTTTGTTTCAGAATCCAGATACTAAA
CAGATTGAAGCAAAGGAGTTGGAATTTTCTAATTTATTTGCTGTTCTTCACTGCATTCATTCCTTCTTT
GCTGCCAAGGTAGCTTGTTTGGACCCTCTATTTTTAGGCAATCAAGCTACTGCTTCTACTGCTGCCAGC
TCTGCTACCACGAGCAAAGCAAAGTATACAACTTGA

Restriction Sites: SgfI-MluI

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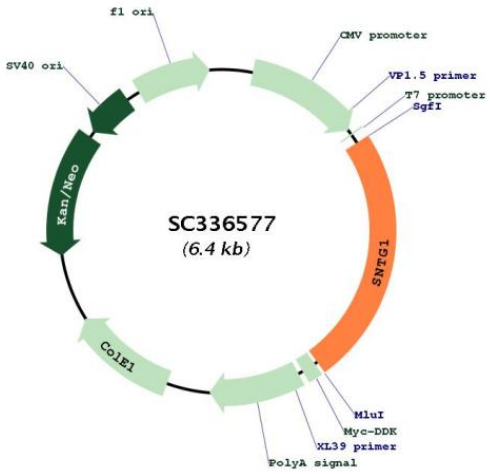
Plasmid Map:



ACCN:	NM_001287813
Insert Size:	1554 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_001287813.1
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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 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.