

## Product datasheet for SC111859

### SNX21 (NM\_033421) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX21 (NM_033421) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX21
Synonyms:	C20orf161; dj337O18.4; PP3993; SNX-L; SNXL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111859 sequence for NM_033421 edited (data generated by NextGen Sequencing)

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ATGCACCGTGGGACGCAGGAGGGTGCCATGGCCTCCCGGCTCCTGCACCGCTGCGGCAC
GCCTTGGCCGGGACGGCCCGGGAGGCGGCGCCAGTCCAGAGCCGAGCAGTTTCCG
GAGAGCTCAGAGCTGGAGGACGACGACGCCGAGGGCCTGTCTCCCGACTCAGCGCACC
CTCAGCTTACCAGCGCCGAGGACGACGAGGACGACGAGGACGAGGACGACGAGGAGGCT
GGCCCTGACCAGCTGCCCTCGGGATGGGACGTGAGGAGAAGACGCAGAACGGAGCCCC
CCACCTGATGGGCAGTGGGCAGTCAGCTCCTGGCGGGCAGCTGCAGGATTTCTGGAAG
AAGTCCCGGAACACCTTGGCACCCAGCGGCTGCTCTTGAAGTGACCAGCGCTAACGTT
GTCAAGGACCCGCCCTCCAANNNNNNCTCTACACCTCACCGTGATCGGCCAGGACCG
CCAGATTGCCAGCCAGCCAGATCTCTCGCCGTTACTCGGACTTTGAGCGGCTGCACCGA
AACCTGCAGCGGCAATTCGGGGCCAATGGCTGCCATCTCCTTCCCGTAAGCGGCTG
CGCCGGAATTTTACTGCAGAGACATTGCCCGCGTAGCCGGGCTTTGAGCAGTTTTTG
GGTCACCTGCAGGCAGTGCCTGAGCTGCGCCATGCCCCGGACCTGCAGGACTTCTTCGTG
CTGCCGGAGCTGCGGGGGCACAGGCCTCACCTGTAAGGCTCTATCGTGAGGCTCTG
GCACTCTGGGCAATGCCTGGCAGCTGCAAGCCAGCTGGGCACCCCTCTGGCCAGAC
CGCCCCCTGTGACCCTGGCTGGGCTGGCCGTGTGCCACCAGGAGCTGGAAGACCCTGGA
GAGGCCCGGCATGCTGTGAGAAGGCCCTGCAGCTGCTTGGGACAAGAGCCTCCACCCT
TTGCTGGCACCCCTTCTGGAGGCCATGTCCGGCTCTCCTGGCGCCTGGGCTGGACAAA
CGTCAATCAGAGGCTCGGCTCCAAGCCCTGCAGGAGGCAGGCTTACCCACACCACCC
CCCAGTCTCAAAGAATTGCTCATCAAGGAGGTGCTGGACTAA

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Clone variation with respect to NM\_033421.2  
441 g=>n;442 t=>n;443 a=>n;444 c=>n;445 g=>n;446 t=>n;447 g=>n;460 g=>a



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_033421 unedited</p> <pre>NNGGTAATTACCCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTA TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC GGCCGCGAATTCGGCACGAGGCCCGGGGAGCCCTGCAGAACCCGGCCGACCTCCATGGG CTGCGGGGGGCTGCACCCGGACCCTGGGGCGGGCGCCCTGAATGCACCGTGGGAC GCAGGAGGGTGCCATGGCTCCCGGCTCCTGCACCGCTGCGGCACGCCTTGGCCGGCGA CGCCCCGGGGAGGCGGGCCAGTCCAGAGCCGAGCAGTTTCCGGAGAGCTCAGAGCT GGAGGACGACGACGCGCGAGGGCCTGTCTCCCGACTCAGCGGCACCCTCAGCTTACCAG CGCCGAGGACGACGAGGACGACGAGGACGAGGACGACGAGGAGGCTGGCCCTGACCAGCT GCCCTCGGGATGGGACGTGAGGAGAAGACGACGAGAACGGAGCCCCCACCTGATGGGCA GTGGGGCAGTCAGCTCCTGGCGCGCAGCTGCAGGATTTGNTGGAAGAGGTCCCGGAACA CCTTGGCACCCAGCGGCTGCTTTCGAAGTGACCAGCGCTAACGTTGTCAAGGACCCGC CCTCCAACCTACACCCTACCGTGATCGGCCAGGACCAGATTGCCAGCCAGCCCA GATCTCTCGCGTTACTCGGACTTTGAGCGGCTGCACCGAAACCTGCAGCGGCAATCCG GGCCCAATGGCTGCCATCTCTCCCGTAAGCGGCTGCGCCCGAAATTTACTGCAG AAGACATTGCCCGCCGTAGCCGGCCTTTGAGCCAANNTTTGGGTCACCTGGCAGCAGTG CCTGAGCTGCGCCATGCC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_033421 unedited</p> <pre>NGGTTTACTATGNACCCGGCCGATTCTAGNGATCGGTTTTTTTTTTTTTTTTTTGATAA ACCAAGGACAAAACCTCAAGGATTCTTTATACTCAGATAAGGGGTATTCTCAAGTACCAAT AGCATCACAATCCAAGATTGATAACCTTGAAGTGAGGACATGGGTTGAGATTTGGCTTCA TCATGGGGCCAAATTCCTGACCCTCTCTGGATTTGAGTCTGGTCTGGAAAACCTGGACAA CACATAACTGCTTCATTTGGCTACTGTGAGAACTGAGTGAGCTCTGCTATGTGTAAGGGA AACCAGCAATCATCCTCATAAACATCAAACCTTGGGCCAAAGCCAGCAAGGGAGAAAAGAG TCTCCAGATGGGGAGGGAAGAGGCCAGACCTCATGGCCTCAAGTCTCTCTTCTGAGTCC TTTCTTCCCTTGGTGGTGGTAGTGGGGATATTTTTCATGAATTACCACTGGAGGACCT GGCTTGATTTATATACAGGGAGCCGATAGTTTTCTAACACAAGTGGTCAGAGGTACAG CAGTTCTGCTTGGCCGAGCTGTTGAAGGAGACTGTTCTCAGAGCTCCTCCCTCTGTGATC TTTTTGAGGAAGCCAGGAGAGGTGTGAAAGTGCTTTTAACTGTCAACTGGGTTCTCTGT GGGAAGAGTTACCCCTCAATGACCGTCCATAATAAGCTCATGAAAGGGCATTGGAGCAG CCACGACACTCAGTGACCCCTTGTGTGGGCAGCCCTGCCCTGGCCAGACCCTTGTGAGA ATCCACTTGGAGGTGGGCATGGGATGTGCGCCTGTAATCCCACTGCTCAAGAGCCTGAGG CGGGAGATCCTCTGAACCAAGCGCTTTAAACAACCTGGGACT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033421
<b>Insert Size:</b>	3350 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_033421.2](#), [NP\\_219489.1](#)

**RefSeq Size:** 3173 bp

**RefSeq ORF:** 1122 bp

**Locus ID:** 90203

**UniProt ID:** [Q969T3](#)

**Cytogenetics:** 20q13.12

**Domains:** PX

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like some family members. The specific function of this protein has not been determined. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.