

Product datasheet for **SC112812**

SNX16 (NM_022133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX16 (NM_022133) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022133, the custom clone sequence may differ by one or more nucleotides

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ATGGCAACTCCTTATGTCCCAGTTCCTATGCCCATAGGAACTCTGCTTCCAGTTTTACAACAAACAGAA
ATCAAAGAAGTTCCTTTTGGCAGTGTCTCAACAAGCTCAAATTCCTTAAGGGCCAGTTAGAAGACTC
AAATATGGGTAATTTTAAACAGACAAGTGTTCCTGATCAAATGGATAATACTTCACTGTCTGTAGCAGT
CCCCTCATTAGGACTAAATTTACAGGTACAGCTTCTCCATTGAGTATTCTACTAGACCAAGAGACTG
AAGAACAAAATCCGGAACAGTGAATTGGGAAGATAGACCATCTACACCTACTATACTGGGTTATGAAGT
GATGGAAGAAAGAGCTAAATTTACTGTATATAAAATACTAGTAAAGAAAACCCAGAAGAAAGCTGGGTA
GTTTTCAGAAGATACACTGACTTCTTAGGCTTAAAGATAATTACAATGCTGACTTTTTAGAAGACAGACAATTAGG
TAGCACTTCTCCAAAACGCTGGTTTAAAGATAATTACAATGCTGACTTTTTAGAAGACAGACAATTAGG
ATTACAAGCGTTTTCTTCAAATTTAGTAGCTCACAAGGACATTGCTAACTGCCTTGCACTGAGAGAATTT
CTTTGTTTGGATGATCCACCGGGTCCATTTGATAGCCTAGAAGAAAGCAGGGCATTCTGTGAAACTTTAG
AAGAGACAAACTACCGCTTACAGAAAGAACTACTTGAAAAACAAAAGGAGATGGAATCACTAAAGAACT
GCTCAGTGAGAAGCAACTTCATATAGACACTTTAGAGAACAGAATCAGAACATTGTCTTTAGAACCTGAA
GAATCACTGGATGTGTCAGAAACAGAAGGTGAACAGATCCTAAAGGTGGAGTCTCTGCCTTGAGGTTG
ATCAAGATGTCTGGATGAAGAATCTAGAGCTGATAATAAACCATGCTTAAAGTTTTAGTGAACCTGAAAA
TGCTGTATCAGAGATAGAAGTAGCAGAAGTGCCATATGATGCTGAAGAAGACTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022133 unedited
 NGGTCAAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGGNAAAAGC
 TGCGGTTAAGGAGAGTCCGGTTTAAACCGTCACCGGGAAGCGCGCTCGTTCGGGATCGCCG
 AGTGGGCTGAGATAGTGAATTCCTAAGAAGAAAATAATGGATTGCATATTAGTTGTTCTC
 TAAGTGGACTCAACAGTGTGCAAGCTTGTGGAAAAGCCAAAAGAAGATGGCAACTCCTT
 ATGTCCCAGTTCCTATGCCCATAGGAACTCTGCTTCCAGTTTTACAACAACAGAAATC
 AAAGAAGTTCTTCTTTTGGCAGTGTCTCAACAAGCTCAAATTCCTCTAAGGGCCAGTTAG
 AAGACTCAAATATGGGTAAATTTTAAACAGACAAGTGTTCCTGATCAAATGGATAACTT
 CATCTGTCTGTAGCAGTCCCCTCATTAGGACTAAATTTACAGGTACAGCTTCTTCCATTG
 AGTATTCTACTAGACCAAGAGACACTGAAGAACAAAATCCGAAACAGTGAATTGGGAAG
 ATAGACCCTACACCTACTATACTGGGTATGAAGTGATGGAAGAAAGAGCTAAATTTA
 CTGCATTCTGTGAACTTTAGAAGAGACAACTACCGCTTACAGAAAGAACTACTTGAAA
 AACAAAAGGAGATGGAATCACTAAAGAACTGCTCAGTGAGAAGCAACTCATATAGACA
 CTNTAGAGAACAGAATNCAGGTGTGTTGTGATACTTGCATTTCTACTCTGACTAATTCAA
 CCCTTAATACTCTGGGCTAACTGCCCTTATATTNTAATATGATTTANGAATTTTCTGAT
 TCTGAAAAGTGTAGGCTTTTGGCATACTCATTGNGNANNAATATGCTTATTTAGCATAA
 TTTTGCTAAATAAAATTTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022133 unedited
 ATGGACCGCGGGCCGAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTGGAGGGAAAAAAATTTATTAAGGAACATAATACTGGGGGGAAAAG
 GCCTTTTAAAAGGAAAAAAAGGAAATTATAAATAAATAATAGGGGGTTACCTAATTA
 ACAATTTTTTTTTTCATCCTTGAAAACTTTAAATACAATTTTCCAAAAAGCCAAATTG
 AAAAAGGGGGTGGTTTCGTTTTTAAAAACAACAGGCAACACTATAATTTTAAAATTTGGCA
 AAAATCTGTTATATAAAAAACAAGGGGACTGATTAAGATTGGTTTTTTTAAAGCCTT
 TTGGAAGTCTAAAATAAATTTTAAATAAATAAGCCGATCAATTTATTATATTCAATTTCT
 GGCTCTAAGGAAAGCAACATATTTTTGATACACATTGGGAAAAATGGTCTGAAAACATA
 CCTGGGCACTTTGACAGACTAAAAATTTTGGGTATTTGGGAAAAAGGGAACCTTTTTT
 ACTTCAAAGGTAACAACAGCCATTGAAGGGGGGATATATGGCATTAAAATTTTAAACA
 GCCACACCTTAATATATATATACATCAAGATACCGATAAACTTTTAAATAGTAAAGAAA
 AAATGGGGATTGGTATTCTATTTCCCGAGGAGTTTCCCTCAGTTTTTAAAAGCATAACC
 GACTGGGATTGCAAAATGCCAGCATGATTACAATGCTTATTAACAGCGATTTGCCAAACA
 GTGGAAAAAGAAAATAAATAACTTCATCCTATAAAAATGAACAAGGCACTTTTTATGAAC
 TGACACAAAGCTGAATAAACAACATTTTTTCATAAGCTGCTCAAGGACCTCAGAGACTTT
 GNAGAAGTGGAATATAAAGGCCTACATATTCTTCTCTACTCTCTTAAAAAATCCCCA
 TTAAGTGGCCCAAGATTATTCTATAGGGCTCACTGCTAAAATTAAGAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_022133

Insert Size:

4370 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_022133.2](#), [NP_071416.2](#)

RefSeq Size: 3308 bp

RefSeq ORF: 1035 bp

Locus ID: 64089

UniProt ID: [P57768](#)

Cytogenetics: 8q21.13

Domains: PX

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. The protein encoded by this gene associates with late endosome membranes as is involved in tubule formation, cholesterol transport, and transport of tetraspanin CD81. The encoded protein also inhibits cell migration and tumorigenesis. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).