

## Product datasheet for **SC321724**

### **SNX16 (NM\_152836) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SNX16 (NM_152836) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_152836.1  
 GCTGCGGTTAAGGAGAGTCCGGTTTAAACCGTCACCGGGAAGCGCGCTCGTTCGGGATCGC  
 CGAGTGGGCTGAGATAGTGAATTCCTAAGAAGAAAATAATGGATTGCATATTAGTTGTTCC  
 TCTAAGTGGACTCAACAGTGTGCAAGCTTGTGGAAAAGCCAAAAGAAGATGGCAACTCC  
 TTATGTCCCAGTTCCTATGCCATAGGAACTCTGCTCCAGTTTTACAACAAACAGAAA  
 TCAAAGAAGTTCTTCTTTGGCAGTGTCTCAACAAGCTCAAATTCTTAAAGGCCAGTT  
 AGAAGACTCAAAATATGGGTAATTTTAAACAGACAAGTTCCTGATCAAATGGATAATAC  
 TTCATCTGTCTGTAGCAGTCCCCTCATTAGGACTAAATTTACAGGTACAGCTTCTCCAT  
 TGAGTATTCTACTAGACCAAGAGACTGAAGAACAAAATCCGGAACAGTGAATTGGGA  
 AGATAGACCATCTACACCTACTATACTGGGTTATGAAGTATGGAAGAAAGAGCTAAATT  
 TACTGTATATAAAATACTAGTAAAGAAAACCCAGAAGAAAGCTGGGTAGTTTTTCAGAAG  
 ATACACTGACTTCTTAGGCTTAATGACAAATTAAGAGATGTTTCCAGGTTTTCGACT  
 AGCACTTCTCCAAAACGCTGGTTAAAGATAATTACAATGCTGACTTTTTAGAAGACAG  
 ACAATTAGGATTACAAGCGTTTCTTCAAATTTAGTAGCTCACAAGGACATTGCTAACTG  
 CCTTGCAGTGAGAGAATTTCTTTGTTGGATGATCCACCGGTCATTGATAGCCTAGA  
 AGAAAGCAGGGCATTCTGTGAACTTTAGAAGAGACAACTACCGCTTACAGAAAGAACT  
 ACTTGAAAACAAAAGGAGATGGAATCACTAAAGAACTGCTCAGTGAGAAAGCAACTTCA  
 TATAGACTTTTAGAGAACAGAATCAGAACATTGTCTTTAGAACCTGAAGAATCACTGGA  
 TGTGTCAGAAACAGAAGTGAACAGATCCTAAAGTGGAGTCTCTGCACCTTGAGGTTGA  
 TCAAGATGTCCTGGATGAAGAATCTAGAGCTGATAATAAACCATGCTTAAGTTTTAGTGA  
 ACCTGAAAATGCTGTATCAGAGATAGAAGTAGCAGAAGTGGCATATGATGCTGAAGAAGA  
 CTAATGTATCACAAAGCAGTCCCTCCATTTAGACTATTTAAAAATTTAGAAGAGTGGCAA  
 ATACTATTTTAAAGAAGAACAAGAAGTGTAAAACATATAGAAAAGAGCAAGAATGCAC  
 ATGTATAAAGTTTACATAAAGAAGTTTTTTTTAAGTTATTGAGATAGGAAATATATTTCACT  
 GCTGCTTTTAATTGTATTTTATCCAATTACATTTAATACACTAAAAAAATCTTGTGGA  
 ATTCTGTATCAAGGCCACATTCTTAAATACTGTGCATAAAATTTATGGTGTGTTTGGC  
 TATATATTGCTCCAACTACTGTGTATATGTATGTGTGTTAAATCACCAATTATATTA  
 ATCAAATGGAATTAATTGCATGTTACTATCTGGGTGATATTTCTTCTTATATCTCTG  
 ACATGACATATTTTCATTAATAGTTTAAATCAGTGACCATCATAATAAAGATAAAATTTA  
 GTTGAGTTTTTAAATGTTTACATGTTTACATCTCTAAATAAAATTTGCTTATTTGAAATGT  
 TAAA  
 AAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_152836

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_152836.1](#), [NP\\_690049.1](#)

**RefSeq Size:** 3141 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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).