

Product datasheet for **SC115017**

SNX5 (NM_014426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX5 (NM_014426) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115017 sequence for NM_014426 edited (data generated by NextGen Sequencing)

ATGGCCGCGTTCCCGAGTTGCTGCAGCAGCAGGAGGAGGACCGCAGCAAGCTGAGATCT
GTATCTGTGGACCTGAATGTTGATCCCTCGCTTCAGATTGACATACCTGATGCGCTCAGT
GAGAGAGACAAAGTCAAATTTACAGTGCACACAAAGACCACACTGCCACGTTTCAGAGC
CCAGAGTTTTCTGTTACAAGGCAACATGAAGACTTTGTGTGGCTACATGACACTCTTATT
GAAACAACAGACTATGCTGGGCTTATTATTCCACCTGCTCCTACGAAGCCCGACTTTGAT
GGTCTCGAGAGAAGATGCAGAACTGGGAGAAGGTGAAGGGTCTATGACCAAAGAAGAA
TTTGCCAAAGATGAAACAAGAAGCTGGAAGCTGAGTATCTCGCTGTGTTAAGAAGACTGTG
TCCTCCCATGAAGTCTTTCTTCAGCGGCTTTCTTCTCACCTGTCTCAGTAAAGATCGC
AACTTTTCATGTTTTCTGGAATATGATCAGGATCTAAGTGTTAGGCGGAAAAATACTAAA
GAGATGTTTTGGTGGCTTCTTCAAAAGTGTGGTGAAAAGTGTGATGAAGTCCTTTTTACT
GGAGTTAAGGAGGTAGATGACTTCTTTGAGCAAGAGAAGAACTTCCTTATTAACATTAC
AATAGGATCAAAGATTCTTGTGTGAAAGCTGACAAAATGACCAGATCTCATAAAATGTT
GCCGATGACTATATCCACACCGCAGCCTGCTTACATAGCCTGGCTTTAGAAGAGCCACA
GTCATCAAAAAGTACCTATTGAAGGTTGCTGAGCTATTTGAAAACTAAGGAAAGTAGAG
GGTCGAGTTTCATCAGATGAAGATTTGAAGCTAACAGAGCTCCTCCGATACTACATGCTC
AACATTGAAGCTGCTAAGGATCTCTTATACAGACGCACCAAAGCCCTCATTGACTATGAG
AACTCAAAACAAAGCTCTGGATAAGGCCCGTTAAAGAGCAAAGACGTCAAGTTGGCTGAG
GCACACCAGCAGGAGTGCTGCCAGAAATTTGAACAACCTTCCGAATCTGCAAAAGAAGAA
CTGATAAATTTCAAACGGAAGAGAGTGGCAGCATTTAGAAAGAATCTAATTGAAATGTCT
GAAGTGGAAATAAACATGCCAGGAACAATGTCTCCCTTTTGCAGAGCTGTATTGACTTG
TTCAAGAATAACTGA

Clone variation with respect to NM_014426.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014426 unedited
 GCATTTGTATACGACTTACTATAGGCGGCCGGAATTCGGCACGAGGCGCGTCGCCATGG
 CCGCGGTTCCCGAGTTGCTGCAGCAGCAGGAGGAGGCCGAGCAAGCTGAGATCTGTAT
 CTGTGGACCTGAATGTTGATCCCTCGCTTCAGATTGACATACCTGATGCGCTCAGTGAGA
 GAGACAAAGTCAAATTTACAGTGCACACAAAGACCACACTGCCACGTTTCAGAGCCAG
 AGTTTTCTGTTACAAGGCAACATGAAGACTTTGTGTGGCTACATGACACTCTTATTGAAA
 CAACAGACTATGCTGGGCTTATTATCCACCTGCTCCTACGAAGCCCGACTTTGATGGTC
 CTCGAGAGAAGATGCAGAACTGGGAGAAGGTGAAGGGTCTATGACCAAAGAAGAAATTTG
 CCAAGATGAAACAAGAACTGGAAGCTGAGTATCTCGCTGTGTTTAAGAAGACTGTGTCCT
 CCCATGAAGTCTTTCTTCAGCGGCTTTCTCTCACCTGTTCTCAGTAAAGATCGCAACT
 TTCATGTTTTCTGGAATATGATCAGGATCTAAGTGTAGGCGGAAAAATACTAAAGAGA
 TGTTTGGTGGCTTCTTCAAAAGTGTGGTGAAGTGTGATGAAGTCTTTTACTGGAG
 TTAAGGAGGTAGATGACTTCTTTGAGCAAGAGAAGAACTTCCTTATTAATTATTACAATA
 GGATCAAAGATTCTGTGTGAAGCTGACAAATGACCAGATCTCATANAAAGTTGCCGAT
 GACTATATCCACACCGCAGCCTGCTTACATAGCCTGGCTTTAGAAGAGCCACAGTCATCA
 AAAGTACCTATTGAAGTTGCTGAGCTATTTGAAAACTAAGAAGTANAGGTCGAGTTCA
 TCAGATGAGATTTGAGCTACAGACTCTCCGATCTACTGCTCACATTGAGCTGCTAAGAT
 CTCTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014426 unedited
 CTATGGACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTAG
 TAGCACGATTATTTATTATATGCTTTATAAAAAACAAACACCCAAAGACATACAACAC
 ANCCGGCTCACCCCGAGGCGGCCATTAGGGAGGGGGCTTATACTTTTCTAATGTAGA
 TCTGGCCATCTTATAAGCAGACCACATTATTTGTTTCCATATATACCTGTAGATATTC
 TCTCCCCCTTAAATATTTATATCTCGACTAAAAAAGGAGTGCCAAGAGTTTTTAAGAA
 TAAATGGAATAATCCTTGCGGGGGTTAGGCCAACCCCCATACCTCCCAGGGAGTAAC
 AGGGCAAAAAAAAAACCAACCCCTTTTGGGGGAAGGAAAGGCTGTGTCCCCC
 CCCAAGACCTGAAACCCCGTGTGAAGTGGCCCCCCCCGTAATAAATGTTTTTTAGCA
 ACAGGCCCCCGAGAGCTTTTCTTTTTTCCAAAAAGAAAGGGCCCCCACCCTTT
 TTTAAAAAAAAAAAAACCATCCGGGAAACCCCTTTTTTTTTTCCCCCCCCGTTTTT
 TTTCCCCCCCCAAAAATTTTTTTTTTCCACACCCCATATTTTTTTTTTACCCC
 CCGCGGGGAAAAAAAAATGGGGGGAACAAAAATCTCTCCCCCCTTAACAA
 AACCGGGGGGCGCTTTTTTTCTTCTCGGGGAAAAAAAAAAAAAAAAAAGGAG
 TCGCTTTTTTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_014426

Insert Size:

2120 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:	<u>NM_014426.2, NP_055241.1</u>
RefSeq Size:	2058 bp
RefSeq ORF:	1215 bp
Locus ID:	27131
UniProt ID:	<u>Q9Y5X3</u>
Cytogenetics:	20p11.23
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. This protein functions in endosomal sorting, the phosphoinositide-signaling pathway, and macropinocytosis. This gene may play a role in the tumorigenesis of papillary thyroid carcinoma. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2013] Transcript Variant: This variant (2) represents the longest transcript. Variants 1 and 2 encode the same protein (isoform a).