

## Product datasheet for **SC103330**

### **SNX14 (AK000362) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SNX14 (AK000362) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX14
Synonyms:	RGS-PX2; SCAR20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK000362, the custom clone sequence may differ by one or more nucleotides

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AAAAAAGTCCGGTAAGCGTCTGTGTGCGCCGCCAAGTCGGTGGGGCGGGGACGCGAGGTGTGGATGGG
GGTCGCCTTGACCTCTGCTCAGCCAGTAGCGCAGCCTCGGCCTCGCCGTTACGGAGATGGTGCCCTGGG
TGGGACGATGGGGCAGAAGCTGAAGCAGCGGCTGCGACTGGACGTGGGACGCGAGATCTGCCGCCAGTA
CCCGCTGTTCTGCTTCTGCTGCTGTCTCAGCGCCGCCTCCCTGCTTCTTAACAGGTATATTCATATT
TTAATGATCTTCTGGTCAATTTGTTGCTGGAGTTGTCACATTCTACTGCTCACTAGGACCTGATTCTCTCT
TACCAATATATTCTTACAATAAAATACAACCCAAGCAGTTAGGACTTCAGGAATTTCTCTCAAGG
TCATAGCTGTGCTGTTTGGTAAAGTGAAATGTAACGACATAGGCCTTCTTTGCTACTTGAAAACCTAC
CAGCCATGGCTAGACCTGAAAATTTCTTCAAGGTTGATGCATCTCTCAGAGGTTCTTGAATTAGTGT
TGGAAAATTTGTTTATCCGTGGTACAGGGATGTGACAGATGATGAATCCTTTGTTGATGAACTGAGAAT
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CAGAGTTTTTACAGCAAGCTGCTTTAGAAGAATATGGTCCAGAGCTTCATGTTGCTTTGAGAAGTCGAAG
AGATGAATTGCACTATTTAAGGAACTTACTGAACTGCTTTTTCTTATATTTTGCCCTCAAAGCAACA
GACCGCAGATCTCTGACCTTACTTATAAGAGAGATTCTGTCTGGCTCTGTGTTCCCTTCTTCTTTGGATT
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AACAGAAGGCGCAGTGCAGTGTTCAGTTTTGTTTACTGTGGAGGAATTTAATGATAGAATTTTACG
ACCAGAAATTAACAATGATGAAATGCTGTCTCTCATGAAGAATGCAGAAAGATTTATAAAACACTGTG
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GCCACACATAGATGTTGTGAACTTCAAATATGAGATGTCTTTTTGAAGCATATGAACATGTTCTTTT
CCTTTTGGAGAATGATTTACTCCTATGTTCTGCCATAGTGATGAGTATTTAGACAATTTTAAAGAGGT
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AATTCCTGTGTTTTGATTTGATGTTGAAAGAAATGATAGAAGAGCAGTTGGACACGAGCCTGAACATTGG
TCTGTCTATAGAAGATATCTGAATTCATGACTTGAATCAAACTAACAGAATTTTATGGTGCATTTT
CTGATGCCAGCTTCTTCTAAGAGGATCATTGGCCCCAAAAATTAATGAATTTTAAAGTCAAAGAGGGA
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GGTGAGGAAACCAAGTATGAAAGCATCAGACTTCTGTTTGTGGCTTACAGCAACCAAGTACTCAACAAGC
AGCTGACTTATGTTTTATTGGACATTGTGATACAGGAAGTGTTCAGAGCTCAATAAGGTACAAAAGGA
AGTTACCTCTGTGACATCTGGATGTAACACTTGGATTTGGTATAGAATAACCCATTGAAATTTCTGCT
GTGCGAGGGTGGTAGAAATTTACTTTTTGGGTATATTCTATATATATTATGTACATCGCTGTCTGAAAT
TTAGTATTTTTTGTTTTTAATAAAGACTAACACAATTAATGATTAATAAAAAAAAAAAAAAAAAA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK000362 unedited  
 TATAGGCGGGCCGCAATTCGCACGAGGCTCTCCTCCGCATACAGGCAGTTACTGGGTGC  
 TGGGGCTGTCCTTTGATTTCCGGAATGGCCGGTCGCCAGTGTGTGACAGTTCACACGG  
 AAGACTGCGCGCTACTCCGGCCAGGAGGGCGGAGCGGCGAGACGCTAGAGGCTTTGCGCT  
 GGGTGACGACTTCGGGCACGTTCTACGGCCGTTCTCTGGTCGGCTGGGGACCGCGGCCG  
 CGCACGCGCGGGGGGGCGTGGGGCTGGGCCAGCCGGACGCGACCTCAGCCTGCGGCG  
 GCTAACTGCCGGTAGGCGTCTGTGTGCGCCGCCAAGTCGGTGGGGCGGGGACGCGAGGTG  
 TGGATGGGGGTCGCTTGACCTCTGCCTCAGCCAGTAGCGCAGTCTCGGCCTCGCCGTT  
 ACGGAGATGGTGCCCTGGGTGCGGACGATGGGGCAGAAGCTGAAGCAGCGGCTGCGACTG  
 GACGTGGGACGCGAGATCTGCCGCCAGTACCCGCTGTTCTGCTTCTGCTGCTGTCTC  
 AGCGCCGCTCCCTGCTTCTAACAGGTATATTCATATTTAATGATCTTCTGGTCATTT  
 GTTGCTGGAGTTGCACATTCTACTGCTCACTANGACCTGATTCTCTTACCAATATA  
 TTCTTCACAATAAAATACANACCAAGCAGTTAGGACTTCAGGAATTATTCCTCAAGGC  
 ATAGCTGGGCTGTTTGTGGAAAGTGAATGTAACGACATAGGCCCTTCTTTGCTACTT  
 GAAAACACGCCATGGGCTAGACCTGAAATTCTTNCAGGNTGATGCTCCTTTCCAAGGT  
 CTTGAAAATAAGGTGGGAAAACCTGGTATCCGGGGCCCGGAAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AK000362 unedited  
 AACGCGGCCGCATTCTANATCGAGTTTTTTTTTTTTTTTTTTTAAATCAACAAGTTTGTGT  
 TAGTCTTTGTTAAAAACGAGAAATACCTAAAATTTGTGACAGCGTTGTACATAATATATA  
 TAAGAATATACCCAAATAGTAAATTTATACCACCTCGCACAGCAGAAATTTCAATGGG  
 TTATTCTATACCAATCCAAGTGTACTTCTCTATATGTCACAGAGGTAACCTCCTTTT  
 GTACCTTATTGAGCTCTGGAAACAGTTCCTGTATCACAATGTTCAATAAAACATAAAGTCA  
 GCTGCTTGTGAGTACTGGTTGCTGTAAGCCATCAAACAGAAGTCTGATGCTTTCATACT  
 TGGTTTCTTACCAATACCCCTTGTCTAACACATCTAAACAAAAGGCCAAATGTGAAATA  
 ATTTTATATTATAAAGTGACTCACCTTAACTGGATCATAAAGCAGAATCACCACCTGT  
 TTCCCAGATACTAGGCCAAAAGTCTAATCAATACTCCCAAAACAGTGTCTATAAGA  
 GGCTCCTGGAAAGAGGTTTCTATGGGCAAGTTGACGAATGCAGTATCATGGTTTCCATTT  
 TTGGAGATTCACAATGCACAAGGCATAATGCACACTCTGAGAAATGCTGGAATGTAATTC  
 ATCATTCTCTCAAAGTCTGTTTTGCCCTTTTTGCTTATTTTGGAGAAACCGAGGTTCT  
 GTGTTTTACCGAATATAGCATTTCTCAAAAATGTTATGAGTGAGACCAACCGGGCTCCT  
 GAAAAACCGGTTTGTAACTGAGAAAGGAACAGTTACCTTTTCCAGGGGTTGTAA  
 AAGGAATCGGGTCGCTTAAAAATGAATTAAGCCTTTGGGACCTGGAAACTACCGTCTAC  
 ATTTTGGGAATATAGCTCTTTCCAGCATACCTCCGAAAAATTTAATTGCGTTCTGGGAA  
 TTAAGCGGCTGGTTTTTAAAAACATGGAAACTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

AK000362

**Insert Size:**

4100 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:** [AK000362.1](#)

**RefSeq Size:** 3145 bp

**RefSeq ORF:** 3145 bp

**Locus ID:** 57231

**Cytogenetics:** 6q14.3

**Domains:** RGS, PX, PXA

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a member of the sorting nexin family. Members of this family have a phox (PX) phosphoinositide binding domain and are involved in intracellular trafficking. The encoded protein also contains a regulator of G protein signaling (RGS) domain. Regulator of G protein signaling family members are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. Alternate splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]