

## Product datasheet for **SC126872**

### **SNX14 (NM\_153816) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX14 (NM_153816) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX14
Synonyms:	RGS-PX2; SCAR20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126872 sequence for NM_153816 edited (data generated by NextGen Sequencing)

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ATGGTGCCTGGGTGCGGACGATGGGGCAGAAGCTGAAGCAGCGGCTGCGACTGGACGTG
GGACGCGAGATCTGCCGCCAGTACCCGCTGTTCTGCTTCTGCTGCTCTGTCTCAGCGCC
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TACCAGCCATGGCTAGACCTGAAAATTTCTTCCAAGGTTGATGCATCTCTCAGAGGTT
CTTGAATTAGTGTGAAAACCTTTGTTTATCCGTGGTACAGGGATGTGACAGATGATGAA
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TTTGAATCAGCAGAATAGGTAGCAAAATTAAGGAGTATTCAAAGTACCACAATGGAG  
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 TTGGACATTGTGATACAGGAAGTGTTCAGAGCTCAATAAGGTACAAAAGGAAGTTACC  
 TCTGTGACATCTTGGATGTAA

Clone variation with respect to NM\_153816.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_153816 unedited  
 TTTGTAATACGACTCACTATAGGGCCGCGCAATTCGGCACGAGGGTAGCGAGTCTCG  
 GCCTCGCCGTTACGGAGATGGTGCCTGGGTGCGGACGATGGGGCAGAAGCTGAAGCAGC  
 GGCTGCGACTGGACGTGGGACGCGAGATCTGCCGCCAGTACCCGCTGTTCTGCTTCTGC  
 TGCTCTGTCTCAGCGCCGCTCCCTGCTTCTAACAGGTATATTCAATTTTAATGATCT  
 TCTGGTCATTTGTTGCTGGAGTTGTCACATTCTACTGCTCACTAGGACCTGATTCTCTCT  
 TACCAATATATTCTTACAATAAAATACAAACCAAGTTAGGACTTCAGGAATTATTTCT  
 CTAAGGTCATAGCTGTGCTGTTTGTGGTAAAGTGAATGTAAACGACATAGGCCTTCTT  
 TGCTACTTGAAAACCTACCAGCCATGGCTAGACCTGAAAATTTCTTCAAGGTTGATGCAT  
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 TGACAGATGATGAATCCTTTGTTGATGAACTGAGAATAACATTACGTTTTTTTGCATCTG  
 TCTTAATAAGAAGGATTCACAAGGTGGATATTCCATCTATTATAACCAAGAACTATTAA  
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 GTTTTTACAGNCAGCTGCTTTAGAAGATATGGTCCAGAGCTTCATGTTGCTTTGAGAAGT  
 CGAAGAGATGAATTGCACTATTTAAGGAACTTACNNTGACTGCTTTTCTTATATTTTG  
 CCTCTAAAAGCACAGACTGCAGATCTCTGACCTTACTATAAGAGAGATCTGNCTGGCTC  
 TGNGGTCTTCTTCTTTGGATTTCTAGCTGATC

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_153816 unedited NNTTTTAGCTNTGNACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTT TTATTA AAAA ACTCATATAGGATGCTTTATTTATAGATACACAGTTAACTATGTACAAAAT AAAAAAAGGAAAACCAATCTACTAAAATATATTAAGTCTAAGAAAATCAGATCTTATTC CTGTTTCTCCATACTAGGCATAATTATTTCAAAGCTATACAATACGAAGTTTATCAGTC TTATCTGTTTGCCATAACATCATTATGAATTTTCTCTTTAAAAATGGCAATAACAAGTG ACTTATGTTCTAATAAAAATTTGGATCACAGCTAGCAAAATGAAAGACTATGAGACTCAATC ACTTTTAATCATTAAAGTTTGTGTTAGTCTTTATTA AAAA CAAAAAATAACTAAAATTTCA GACAGCGATGTACATAATATATAAGAATATACCCAAAAAAGTAAATTTCTACCACCCT CGCACAGCAGAAAATTTCAATGGTTATTCTATACCAAATCCAAGTGTTCATCCAAGAT GTCACAGAGGTAACCTCTTTTGTACCTTATTGAGCTCTGAAACAGTTCCTGTATCACA ATGTCCAATAAAACATAAGTCAGCTGCTTGTGAGTACTGGTGTGTAAGCCATCAAAC AGAAGTCTGATGCTTTCATACTTGGTTTCTTCACCAATACACTTGACTAACAGATCTGGA ATGGTATTCATCATTTCTCAAAGTCTGTTTGTCTCTTTTGTCTTATCTTGGAGAGAG CGAGGTTCAAGTGTTCACAGATATAGCATCTCTGAGAAGTGTATGAGTGAGACCAACG GTNGCTCTGAANTAGCTGNTCTAGTTTACTGAAGATAGTATCAGTATACATTTCCGGG GTGTTTTAAAGAGGATTCAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_153816
<b>Insert Size:</b>	3570 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_153816.2</a> , <a href="#">NP_722523.1</a>
<b>RefSeq Size:</b>	3509 bp
<b>RefSeq ORF:</b>	2841 bp
<b>Locus ID:</b>	57231
<b>UniProt ID:</b>	<a href="#">Q9Y5W7</a>
<b>Cytogenetics:</b>	6q14.3
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

This gene encodes a member of the sorting nexin family. Members of this family have a 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]

Transcript Variant: This variant (1) encodes isoform a.