

Product datasheet for **SC321258**

SNX14 (NM_020468) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNX14 (NM_020468) Human Untagged Clone
Tag: Tag Free
Symbol: SNX14
Synonyms: RGS-PX2; SCAR20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020468.2
 GTGGGGCTGGGCCAGCCGGACGCGACCTCAGCCTGCGGGCGCTAACTGCCGGTAGCGCT
 CTGTGTGCGCCCAAGTCGGTGGGGCGGGACGCGAGGTGGGATGGGGGGTCGCCTTG
 ACCTCTGCCTCAGCCAGTAGCGAGTCTCGGCCTCGCCGTTACGGAGATGGTGCCCTGGG
 TGGGACGATGGGGCAGAAGCTGAAGCAGCGGCTGCGACTGGACGTGGGACGCGAGATCT
 GCCGCCAGTACCCGCTGTTCTGCTTCTGCTGCTGTCTCAGCGCCGCCTCCCTGCTTC
 TTAACAGGTATATTCATATTTAATGATCTTCTGGTCATTTGTTGCTGGAGTTGTCACAT
 TCTACTGCTCACTAGGACCTGATTCTCTTACCAAATATATTCTTACAATAAAATACA
 AACCCAAGCAGTTAGGACTTCAGGAATTATTTCTCAAGGTCATAGCTGTGCTGTTTGTG
 GTAAGTGAATGTAACGACATAGGCCTTCTTTGCTACTTGAAAACACCAGCCATGGC
 TAGACCTGAAAATTTCTCCAAGTTGATGCATCTCTCTCAGAGGTGGATATTCCATCTA
 TTATAACCAAGAACTATTTAAAAGCAGCAATGAAGCATATAGAAGTGATAGTTAAAGCCA
 GACAGAAAGTAAAAATACAGAGTTTTTACAGCAAGCTGCTTTAGAAGAATATGGTCCAG
 AGCTTCATGTTGCTTTGAGAAGTCGAAGAGATGAATTGCACTATTTAAGGAACTTACTG
 AACTGCTTTTTCTTATATTTTGCCCTCAAAGCAACAGACTGCAGATCTCTGACCTTAC
 TTATAAGAGAGATTCTGTCTGGCTCTGTGTTCTTCTTCTTTGGATTTCTAGCTGATC
 CAGATACTGTGAATCATTGCTTATCATCTTCATAGATGACAGTCCACCTGAAAAAGCAA
 CTGAACCGGCTTCTCCTTTGGTTCCATTCTTGCAGAAAATTTGCAGAACCTAGAAAATAAA
 AGCCATCTGTGCTGAAGTTAGAATTGAAGCAAATCAGAGAGCAACAAGATCTTTTATTTT
 GTTTTATGAACCTTCTGAAACAAGAAGGCGCAGTGCACGTGTTGCAGTTTTGTTTGACTG
 TGGAGGAATTTAATGATAGAATTTTACGACCAGAATTATCAAATGATGAAATGCTGTCTC
 TTCATGAAGAATTGCAGAAGATTTATAAAACATACTGTTTGGATGAAAGTATTGACAAAA
 TTAGATTTGATCCCTTCAATTGTAGAAGAGATTCAAAGAATTGCTGAAGGCCCATACATAG
 ATGTTGTGAAACTTCAAATATGAGATGTCTTTTGAAGCATATGAACATGTTCTTTCCC
 TTTTGGAGAATGATTTACTCTATGTTCTGCCATAGTATGAGTATTTTCAAGCAACTTT
 TAAGAGGTGCAGAAATCACAACACGCAATTCAAATTTGAACAGGAACACACAGAAAAGGG
 GAGAATCATTGGAATCAGCAGAATAGGTAGCAAAATTAAGGAGTATTTCAAAGTACCA



[View online »](#)

```

CAATGGAGGGAGCTATGTTGCCTAATTATGGTGTAGCTGAAGGTGAAGATGATTTTATTG
AAGAAGGTATTGTTGTAATGGAAGATGATTCTCCAGTGGAGGCTGTGAGCACACCTAATA
CTCCCCGAAACCTTGCTGCATGGAAAATTAGCATTCCATATGTAGACTTTTTTGGAGGATC
CCTCCTCTGAAAGGAAGGAGAAAAAAGAAAGAAATTCCTGTGTTTTGTATTGATGTTGAAA
GAAATGATAGAAGAGCAGTTGGACACGAGCCTGAACATTGGTCTGTCTATAGAAGATATC
TTGAATTCTATGTACTTGAATCAAACTAACAGAATTCATGGTGCATTTCTGTATGCC
AGCTTCTTCTAAGAGGATCATTGGCCCCAAAAATTATGAATTTTAAAGTCAAAGAGGG
AAGAGTTCCAAGAATATCTACAGAACTTCTGCAGCATCCAGAAGTGAATAGTCAAC
TTCTGGCAGACTTTCTTTCCCTAATGGTGGGAAACACAATTTCTTGATAAGATACTAC
CAGATGTAATCTTGGGAAAATTATAAACTGTTCCTGGAAAATAATGAAAGAGAAAAG
GTCAGCATTTGGAACCTTTATCATGAATTTTATTAAATTTGTGAGTCTCCAAAGCCTA
AACCAAGTAGACCAGAAGTACCATTCTCAGCCCTACTTCAGAAAACAACAAGAAGCTTT
TCAATGATCTGTTAAAAATAATGCAAACCGTCTGAAAATACAGAGAGAAAAGCAAATC
AGAATTATTTTATGGAGGTGATGACTGTAGAAGGAGTCTATGATTACCTGATGTATGAG
GACGGGTAGTTTTCCAGTTCTGACTGGCTTCATCATCTTAAATGGGAACTCGAATCC
TCTTTAAAAACACCTGGAAATGTATACTGATTACTATCTTCAGTGTAACTAGAACAGC
TATTTTCAGGAGCACCGTTTGGTCTCACTCATAACACTTCTCAGAGATGCTATATTCTGTG
AAAACACTGAACCTCGCTCTCTCCAAGATAAGCAAAAAGGAGCAAAAACAGACTTTTGAAG
AAATGATGAATTACATCCAGATCTGTTAGTCAAGTGTATTGGTGAAGAAACCAAGTATG
AAAGCATCAGACTTCTGTTTGTGGCTTACAGCAACCAGTACTCAACAAGCAGCTGACTT
ATGTTTTATTGGACATTTGATACAGGAAGTGTTCAGAGCTCAATAAGGTACAAAAGG
AAGTTACCTCTGTGACATCTGGATGTAACACTTGGATTTGGTATAGAATAACCCATTG
AAATTTCTGTGCGAGGGTGGTAGAAATTTACTTTTTTGGGTATATTCTTATATATAT
TATGTACATCGTGTCTGAAATTTTGTATTTTTTGTTTTAAATAAAGACTAACACAAA
CTTAATGATTAAGTGAAGAAAAAAAAAAAAAAAAAAAAA
    
```

Restriction Sites:

Please inquire

ACCN:

NM_020468

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_020468.2](#), [NP_065201.1](#)

RefSeq Size: 3350 bp

RefSeq ORF: 2682 bp

Locus ID: 57231

UniProt ID: [Q9Y5W7](#)

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]
Transcript Variant: This variant (2) lacks in-frame segments of the coding region compared to variant 1. It encodes a shorter isoform (b), compared to isoform a.