

Product datasheet for **SC322180**

SNX2 (NM_003100) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX2 (NM_003100) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX2
Synonyms:	TRG-9
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 SC322180
 CCCAGCTCGCGCAGTCGTTCCGGGTGAGCGAAGATGGCGGCCGAGAGGGAACCTCCTCCGC
 TGGGGGACGGGAAGCCCACCGACTTTGAGGATCTGGAGGACGGAGAGGACCTGTTACCA
 GCACTGTCTCCACCCTAGAGTCAAGTCCATCATCTCCAGAACCAGCTAGTCTTCTCGAG
 AAGATATTAGTGCAAACCTCAATGGCCAAAACCCACAGAAGTTGATTAGATGATGACA
 GAGAAGATCTTTTGCAGAAGCCACAGAAGAAGTTCTTTGGACAGCCCTGAAAGGGAAC
 GTATCCTATCCTCGAACCTTCTCCTGCAGTACACCTGCACTCCTACTACACTATTG
 CTCTAGAAATTGAATCAAAGAGTATGTCTGCTCCCGTGATCTTTGATAGATCCAGGGAAG
 AGATTGAAGAAGAAGCAAATGGAGACATTTTTGACATAGAAATTGGTGTATCAGATCCAG
 AAAAAGTTGGTATGGCATGAATGCCTATATGGCATATAGAGTAACAACAAAGACATCTC
 TTTCCATGTTTCAGTAAGAGTGAATTTTCAGTAAAAGAAGATTACAGGACTTTCTTGGTT
 TGCACAGCAAATTAGCAAGCAAATTTTACATGTTGGTTATATTGTGCCACCAGCTCCAG
 AAAAGAGTATAGTAGGGATGACCAAGGTCAAAGTGGTAAAGAAGACTCATCATCCACTG
 AGTTTGTAGAAAACGGAGAGCAGCTCTTGAAAGGTATCTTCAAAGAACAGTAAAACATC
 CAACTTTACTACAGGATCCTGATTTAAGGCAGTCTTGAAAGTTTCAAGAGCTGCCTAGAG
 CAGTTAATACACAGGCTCTGAGTGGAGCAGGAATATTGAGGATGGTGAACAAGGCTGCCG
 ACGCTGTCAACAAAATGACAATCAAGATGAATGAATCGGATGCATGGTTTGAAGAAAAGC
 AGCAGCAATTTGAGAATCTGGATCAGCAACTTAGGAACTTTCATGTCAGTGTGAAAGCCT
 TGGTCTGTATAGAAAAGAACTTTCAGCCAACACAGCTGCCTTTGCTAAAAGTGTGCCA
 TGTTAGGTAATTTGAGGATCATACTGCTTTATCTAGAGCTTTGTCTCAGCTTGCAGAGG
 TTGAGGAGAAGATAGACCAGTTACATCAAGAACAAGCTTTTGCTGACTTTTATATGTTTT
 CAGAACTACTTAGTGACTACATTCGTCTTATTGCTGCAGTAAAAGGTGTGTTTGACCATC
 GAATGAAGTGTGCAGAAATGGGAAGATGCTCAAATTACTTTGCTCAAAAAACGTGAAG
 CTGAAGCAAAAATGATGGTTGCTAACAACCCAGATAAAATACAGCAAGCTAAAAATGAAA
 TAAGAGAGTGGGAGGCGAAAGTGAACAAGGGGAAAGAGATTTTGAACAGATATCTAAAA
 CGATTCGAAAAGAAGTGGGAAGATTTGAGAAAAGCAGTGAAGGATTTTAAAACCGTTA
 TCATCAAGTACTTAGAATCACTAGTTCAAACACAACAACAGCTGATAAAATACTGGGAAG
 CATTCTACCTGAAGCCAAAGCCATTGCCTAGCAATAAGATTGTTGCCGTTAAGAAGACC
 TTGGATGTTGTTCCAGTTATGCTGGATTCCACAGTAAAATCAATTTAAAACCATCTAAATA
 AACCACTATATTTTTATGAATTACATGTGTTTTATATACACACACACACACACACACA
 CACACACACACACTCTGACATTTTATTACAAGCTGCATGCTCCTGACCCTCTTTGAATT
 AAGTGGACTGTGGCATGACATTCTGCAACTTTTGTGCTGAATTGAACACTATTGTGTCTTA
 AATACTTGCACTAAATAGTGCCTGCAAGACCAGAAAATTTTACAATATTTTTTCTTTAC
 AATATGTTCTGTAGTATGTTTACCCTCTTTATGAAGTGAATTACCAATGCTTTGAATAAT
 GTTCACTTATACATTCCTGTACAGAAATTACGATTTTGTGATTACAGTAATAAAATGATA
 TTCCTTGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003100

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_003100.2](#), [NP_003091.2](#)

RefSeq Size: 2091 bp

RefSeq ORF: 1560 bp

Locus ID: 6643

UniProt ID: [O60749](#)

Cytogenetics: 5q23.2

Domains: PX, Sorting_nexin

Gene Summary: This gene belongs to the sorting nexin family whose members contain the phosphoinositide-binding phox (PX) domain. The encoded protein is a component of the retromer complex which plays a role in protein sorting in the endocytic pathway. This protein may form oligomeric complexes with other family members. Alternate splicing results in multiple transcript variants of this gene. Pseudogenes associated with this gene are located on chromosomes 1 and 7. [provided by RefSeq, May 2013]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.