

## Product datasheet for **SC118155**

### **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:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC118155 sequence for NM\_003100 edited (data generated by NextGen Sequencing)

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ATGGCGCCGAGAGGGAACCTCCTCCGCTGGGGGACGGGAAGCCCACCGACTTTGAGGAT
CTGGAGGACGGAGAGGACCTGTTACCAGCACTGTCTCCACCCTAGAGTCAAGTCCATCA
TCTCCAGAACCAGCTAGTCTTCTGCAGAAGATATTAGTGCAAACCTCAATGGCCAAAA
CCCACAGAAGTTGTATTAGATGATGACAGAGAAGATCTTTTTGCAGAAGCCACAGAAGAA
GTTTCTTTGGACAGCCCTGAAAGGGAACCTATCCTATCCTCGAACCTTCTCCTGCAGT
ACACCTGTCACCTACTACACTCATTGCTCCTAGAATTGAATCAAAGAGTATGTCTGCT
CCCGTGATCTTTGATAGATCCAGGGAAGAGATTGAAGAAGAAGCAAATGGAGACATTTTT
GACATAGAAAATGGTGTATCAGATCCAGAAAAAGTTGGTATGGCATGAATGCCTATATG
GCATATAGAGTAACAACAAAGACATCTCTTTCCATGTTCCAGTAAGAGTGAATTTTCAGTG
AAAAGAAGATTCAGCGACTTTCTTGGTTTGCACAGCAAATTAGCAAGCAAATATTTACAT
GTTGGTTATATTGTGCCACCAGCTCCAGAAAAGAGTATAGTAGGGATGACCAAGGTCAA
GTGGGTAAGAAGACTCATCCTACTGAGTTTGTAGAAAAACGGAGAGCAGCTTTGAA
AGGTATCTTCAAAGAACAGTAAAACATCCAACCTTACTACAGGATCCTGATTTAAGCGAG
TTCTTGGAAAAGTTCAGAGCTGCCTAGAGCAGTTAATACACAGGCTCTGAGTGGAGCAGGA
ATATTGAGGATGGTGAACAAGGCTGCCGACGCTGTCAACAAAATGACAATCAAGATGAAT
GAATCGGATGCATGGTTTGAAGAAAAGCAGCAGCAATTTGAGAATCTGGATCAGCAACTT
AGGAAACTTCATGTCAGTGTGAAGCCTTGGTCTGTATAGAAAAGAAGTTTCAGCCAAC
ACAGCTGCCTTTGCTAAAAGTGTGCCATGTTAGGTAATTCTGAGGATCATACTGCTTTA
TCTAGAGCTTTGTCTCAGCTTGCAGAGGTTGAGGAGAAGATAGACCAGTTACATCAAGAA
CAAGCTTTTGTGACTTTTATATGTTTTCAGAACTACTTAGTGACTACATTCGCTTATT
GCTGCGATGAAAGGTGTGTTTACCATCGAATGAAGTGTGGCAGAAAATGGGAAGATGCT
CAAATTACTTTGCTCAAAAAACGTGAAGCTGAAGCAAAAATGATGGTTGCTAACAACCA
GATAAAATACAGCAAGCTAAAAATGAAATGAAGAGAGTGGGAGGCGAAAAGTGAACAAAGG
GAAAGAGATTTTGAACAGATATCTAAAACGATTCGAAAAGAAGTGGGAAGATTTGAGAAA
GAACGAGTGAAGGATTTTAAAACGTTATCATCAAGTACTTAGAATCACTAGTTCAAACA
CAACAACAGCTGATAAAATACTGGGAAGCATTCTACCTGAAGCCAAAGCCATTGCCTAG
    
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Clone variation with respect to NM\_003100.2

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_003100 unedited
AAGCCAGATATTGTAATACGACTTACTATAGGGCGGCCGCAATTCGCACGAGGCGAAG
AGGCGGCCGAGAGGGAACCTCCTCCGCTGGGGGACGGGAAGCCCACCGACTTTGAGGATC
TGGAGGACGGAGAGGACCTGTTACCAGCACTGTCTCCACCCTAGAGTCAAGTCCATCAT
CTCCAGAACCAGCTAGTCTTCTGCAGAAGATATTAGTGCAAACCTCAATGGCCAAAAAC
CCACAGAAGTTGTATTAGATGATGACAGAGAAGATCTTTTTGCAGAAGCCACAGAAGAAG
TTTCTTTGGACAGCCCTGAAAGGGAACCTATCCTATCCTCGAACCTTCTCCTGCAGTCA
CACCTGTCACTCCTACTACACTCATTGCTCCTAGAATTGAATCAAAGAGTATGTCTGCTC
CCGTGATCTTTGATAGATCCAGGGAAGAGATTGAAGAAGAAGCAAATGGAGACATTTTTG
ACATAGAAAATGGTGTATCAGATCCAGAAAAAGTTGGTATGGCATGAATGCCTATATGG
CATATAGAGTAACAACAAAGACATCTCTTTCCATGTTCCAGTAAGAGTGAATTTTCAGTGA
AAAGAAGATTCAGCGACTTTCTTGGTTTGCACAGCAAATTAGCAAGCAAATATTTACATG
TTGGTTATATTGTGCCACCAGCTCCAGAAAAGAGTATAGTAGGGATGACCAAGGTCAAAG
TGGGTAAGAAGACTCATCCTACTGAGTTTGTAGAAAACGGAGAGCAGCTTTGAAA
GGTATCTTCAAAGAACAGTAAAACATCCAACCTTACTACAGGATCCTGATTTAAGGCAGT
TCTTGGNAAGTTCAGAGCTGCCTAGAGCAGTTAATACACAGGCTCTGAGTGGAGCANNGA
TATTGAAGATGGTGAACA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003100 unedited NACTTTAGCTCTGNACCGCCNCGCATNCTAGNATCGAGTTTTTTTTTTTTTTTTTTTCA CAGGAAATATCATTATTTACTGTAATCACAAAATCGTAATTTCTGTACAGGAATGTATA AGTGAACATTATCAAAGCATTGGTAATCACTTCATAAAGAGGGTAAACATACTACAGA ACATATTGTAAGAAAAAATATTGCAAAATTTCTGGTCTTGCAGTGCCTATTTAGTGC AAGTATTTAAGACACAATAGTGTCAATTCAGCAAAGTATTGCAGAATGTCATGCCACAG TCCACTTAATTCAAAGAGGGTCAGGACATGCAGCTTGAATAAAAATGTCACAGTGTGTG GTGTGTGTGCGTGTGCGTGTATATAAAACCACCATGTAATTCATAAAATATATAGTGG TTTATTTAGATGGCTTTAAATGATTTCACTGTGGAATCCAGCATAACTGGAACAACATCC AAGGTCTTCTTAACGGCAACAATCTTATTGCTAGGCAATGGCTTTGGCTCAGGCACGAA TGCTTCCAGTATTTATCAGCTGTCGTTGTGCCGAAGTAGTGATTCTAACTACTTGAT GATAACGGTTTTAAAATCCTTCACTCGTTCTTTCTAAAATCTTCCCACTTCTTTTCAAAA CGCTTTAGATATCCGTCCAAAATCTTTCCCTTGTGCACTTTGCCTTCCACTCTTT TATTTAATTTTTAGCTCGCCGCACTTCACTCGGCTTGAACCCACCATTATTTTTGCTCC CACTTCCAGTCTTTGAACAAAGATTTGAGCCTGTTCCCTTTGCTGCCAGACTTTATTC CACGGTCACACACCTTAACTGCAGCAATAAGACAAATGCGTCTCTAACACATTCTGAA CA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003100
<b>Insert Size:</b>	2100 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>	<u><a href="#">NM_003100.2</a></u> , <u><a href="#">NP_003091.2</a></u>
<b>RefSeq Size:</b>	2091 bp
<b>RefSeq ORF:</b>	1560 bp
<b>Locus ID:</b>	6643
<b>UniProt ID:</b>	<u><a href="#">O60749</a></u>
<b>Cytogenetics:</b>	5q23.2
<b>Domains:</b>	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.