

## Product datasheet for **SC111254**

### **SNX10 (NM\_013322) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX10 (NM_013322) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX10
Synonyms:	OPTB8
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 SC111254 sequence for NM_013322 edited (data generated by NextGen Sequencing)

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ATGTTTCCGGAACAACAGAAAGAGGAATTTGTAAGTGTCTGGGTTTCGAGATCCTAGGATT
CAGAAGGAGGACTTCTGGCATTCTTACATTGACTATGAGATATGTATTCATACTAATAGC
ATGTGTTTTACAATGAAAACATCCTGTGTACGAAGAAGATATAGAGAATTCGTGTGGCTG
AGGCAGAGACTCCAAGTAATGCGTTGCTGGTACAACGCCAGAACTTCCATCTAAAAAC
CTGTTTTTCAACATGAACAATCGCCAGCACGTGGATCAGCGTCGCCAGGGTCTGGAAGAT
TTCCTCAGAAAAGTCTACAGAATGCACTTTTGCCTTCAGATAGCAGCCTTCACCTCTTC
TTACAGAGCCATCTGAATTCAGAAGACATTGAGGCGTGTGTTTCTGGGCAGACTAAGTAC
TCTGTGGAAGAAGCAATTCACAAGTTTGCCTTAATGAATAGACGTTTCCCTGAAGAAGAT
GAAGAAGGAAAAAAGAAAATGATATAGATTATGATTCAGAAAAGTTCATCCTCTGGGCTT
GGACACAGTAGTGATGACAGCAGTTCACATGGATGTAAGTAAATACAGCTCCGCAGGAA
TCCTGA
```

Clone variation with respect to NM\_013322.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_013322 unedited            GTTCAGATTTGTATCCGACTCCTATAGGCGGCCGCGCATTTCGGCAGGAGTTCTGCCCGG            NAGAGCCGCCATTGATCGTGTCTGTGCTGAAGAGTTTCCGGAACAACAGAAAGAGGAA            TTTGTAAGTGTCTGGGTTTCGAGATCCTAGGATTCAGAAGGAGGACTTCTGGCATTCTTAC            ATTGACTATGAGATATGTATTCATACTAATAGCATGTGTTTTACAATGAAAACATCCTGT            GTACGAAGAAGATATAGAGAATTCGTGTGGCTGAGGCAGAGACTCCAAAGTAATGCGTTG            CTGGTACAACTGCCAGAACTCCATCTAAAAACCTGTTTTTCAACATGAACAATCGCCAG            CACGTGGATCAGCGTCGCCAGGGTCTGGAAGATTTCTCAGAAAAGTCTACAGAATGCA            CTTTTGCTTTCAGATAGCAGCCTTCACCTCTTCTACAGAGCCATCTGAATTCAGAAGAC            ATTGAGGCGTGTGTTTCTGGGCAGACTAAGTACTCTGTGGAAGAAGCAATTCACAAGTTT            GCCTTAATGAATAGACGTTTCCCTGAAGAAGATGAAGAAGGAAAAAAGAAAATGATATA            GATTATGATTCAGAAAAGTTCATCCTCTGGGCTTGGACACAGTAGTGATGACAGCAGTTCA            CATGGATGTAAGTAAATACAGCTCCGCAGGAATCCTGAAAAATAATTCTAATGTTACTA            TCTTNAGAATAGCANATTATGTCCAGTCATAGAGAAGAAAGCTTCATAATAATACATTCT            TACCTAAAGCTCACTGTCACTGATGTAGGTATTTAAATCTTAAAGATGTTGGGGTTGTT            ATTAGCGGNATTTTTATGTTGGCTTATTTTAGGGAAGCTTCTGTGGTAAGCTAAAATTCT            GTGATACCATACTATCCTTACA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_013322 unedited            ATGGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTGTTGGTTCTT            TGAAAACAAGCATTGTAAGACTTTTTAATAATAACAATAGCTTTTAACTCTTAGTGAAAA            TGAAAAGGTTGCTTTTTGTAGTAGCCTCTGCCACTTTCATTAGGCTGGGTAACAAAGC            AACAGTTATCCTAGTTATCTGAAAATATCTTCCTGTTAGTTTACAGAAAATATTTTGTA            CCATTCACATGGATGAAACTTGGGTAATTATCTCAAGAAAATGTTGCCTCATCTGAAAT            CTGAACCTCAAAAATAGTTTATCTAAGATATCTTTGGGACACTAAAAAAAAGACATTTTA            TGAAAATTATACCAATCTTCAAGTAGATGCTTTAAAAGGGGCTTTTTAAAATGAATAAT            TATTTCTGAAATTAGCAAGTCGACATCCTTTTCTAAATATGGGAATATTTATTGGTAAA            ATTAATTTATTAATCTTTATAAAAATCCTTCTCTGATTTAAGTAATAAGTAACCACCAC            TGATACTGAAAGTTATCTAGTGATAAGAAATTGCACATTTAGTCAAAAATAAATCATT            ACCTGATTATACAATGATAATGAAAACAATATTTGTCTCCAGAAACCATTTGTTGAAG            CTGATTTGGATAATGAAAATGTATTTCTGAATCTATATATTACAGTTATAAGTAATATT            ACTAGCACTATCTATGTTTTTCTAAGAGTAAACATTATTTAATATGTCTCTATTCCATA            GAAACATTTCCATCTAAGCGTGAACAGAATCTGGAANGGTAATACTCTNAAATATTCAGT            CTACACCCAAAGCTAGTGTGTCATGCAGGGGAGTATCCAATATCAGCACTATTGAAG            AGCAGTCN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_013322
<b>Insert Size:</b>	1960 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).

**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\\_013322.2](#), [NP\\_037454.2](#)

**RefSeq Size:** 2591 bp

**RefSeq ORF:** 606 bp

**Locus ID:** 29887

**UniProt ID:** [Q9Y5X0](#)

**Cytogenetics:** 7p15.2

**Domains:** PX

**Gene Summary:** This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like some family members. This gene may play a role in regulating endosome homeostasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1, and encodes isoform (1). Variants 1, 2, and 6 encode the same isoform.