

## Product datasheet for **SC108244**

### **SNX6 (NM\_152233) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SNX6 (NM_152233) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX6
Synonyms:	MSTP010; TFAF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152233, the custom clone sequence may differ by one or more nucleotides

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ATGCGCGCCTGCGCCGGCCCTCGCCTCGGAGCAGCCATGATGGAAGGCCTGGACGACGGCCCGACTTCC
TCTCAGAAGAGGACCGCGGACTTAAAGCAATAAATGTAGATCTTCAAAGTGATGCTGCTCTGCAGGTGGA
CATTTCTGATGCTCTTAGTGAGCGGGATAAAGTAAATCACTGTTACACAAAGAGTTCATTGCCAAAT
TTTAAACAAAACGAGTTTTTCAGTTGTTCCGGCAACATGAGGAATTTATCTGGCTTCATGATTCCTTTGTTG
AAAATGAAGACTATGCAGGTTATATCATTCCACCAGCACCACCAAGACCTGATTTTGATGCTTCAAGGGA
AAAACACAGAAGCTTGGTGAAGGAGAAGGTCATGACGAAGGAAGAATTCACAAAGATGAAACAGGAA
CTGGAAGCTGAATATTTGGCAATATTCAAGAAGACAGTTGCGATGCATGAAGTGTTCCTGTGTCGTGTTG
CAGCACATCTATTTGAGAAGAGATTTAAATTTCCATGTCTTCTGGAATATAAATCAAGATTTGAGTGT
GCGAGGAAAAAATAAAAAAGAGAACTGAAGACTTCTTTAAAAACATGGTTAAATCAGCAGATGGAGTA
ATCGTTTCAGGAGTAAAGGATGTAGATGATTTCTTTGAGCACGAACGAACATTTCTTTGGAGTATCATA
ACCGAGTTAAGGATGCATCTGCTAAATCTGATAGAATGACAAGATCCCACAAAAGTGCTGCAGATGATTA
CAATAGAATTGGTTCTTCATTATATGCTTTAGGAACTCAGGATTTACAGATATATGCAAGTTTTTTCTC
AAAGTTTCAGAACTGTTTCGATAAAACAAGAAAAATAGAAGCAGAGTGTCTGCTGATGAAGACCTCAAAC
TTCCTGATCTTTTAAAAATTAATTAAGAGAATCTCAAGCTGCTAAGGATCTCCTGTATCGAAGGTCTAG
GTCAGTGGATTATGAAAATGCTAATAAAGCACTGGATAAAGCAAGAGCAAAAAATAAAGATGTTCTA
CAGGCCGAAACTTCCAACAATTAATGTTGTCAGAAATTTGAAAAAATATCTGAGTCTGCAAAACAAGAAC
TTATAGATTTTAAAGACAAGAAGGTTGCTGCATTGAGAAAAAATTTAGTGAAGTGGCAGAGTTAGAACT
GAAGCATGCAAAGGGTAATCTACAGTTGCTGCAGAACTGCCTGGCAGTGTAAATGGAGACACATAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152233 unedited            CCCCCCNNNNNNNNNCCNNNNNGGTTCAAAATTGTAACGACTCACTATAGCGGCC            GCGAATTCGCACGAGCTCGCCTCGGNACAGCCATGATGGAAGGCTGGACGACGGCCCGG            ACTTCCTCTCAGAAGAGGACCGCGGACTTAAAGCAATAAATGTAGATCTTCAAAGTGATG            CTGCTCTGCAGGTGGACATTTCTGATGCTTCTAGTGAGCGGGATAAAGTAAAATCACTG            TTCACACAAAAGAGTTTATTGCCAAATTTTAAACAAAACGAGTTTTTCAGTTGTTCCGGCAAC            ATGAGGAATTTATCTGGCTTCATGATTCCTTTGTTGAAAATGAAGACTATGCAGTTATA            TCATTCCACCAGCACCAAGACCTGATTTTGTGCTTCAAGGAAAAACTACAGAAGC            TTGGTGAAGGAGAAGGGTCAATGACGAAGGAAGAAATTCACAAAGATGAAACAGGAACTGG            AAGCTGAATATTTGGCAATATCAAGAAGACAGTTGCGATGCATGAAGTGTCTCTGTGTC            GTGTGGCAGCACATCCTATNTTGAGAAGAGATTTAAATTTCCATGCTTCTTGAATATA            ATCAAGAATTGAGTGTGCGAAGAAAAATANAAAAGAGAACCTGAAGACTNCTTTAANA            ACATGTTAAATCAGCAGATGGAGTAATCGTTTCAAGAGTAAGGGATGTAGATGAATCTT            TGAGCAGGACCGACCATNCTTTGGATATCATAACCGAGTTAANGATGCATCTGCTAAAT            CTGATAGAATGACCAGATCCCACAAAGTCTGCAGATGAATACCATAGAATNNGGCTTTC            ACTATATGCCTTANGAACTCANNGATCTACAGATATATGCCAGTTTTTCTCAAGATTC            AAAACTGTTGCATAAAACAGGAAAAATGAAGCCCGATGTCTGCTGATGAAAACCAAAC            TCTGANCNTTAAAAATNACCTAAGAAATCTCAACTGCTAGGAACCCCGAATCAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152233 unedited            CACACACCCTGTGNGAGTAGTCAGTATGTCCTTTAGATCGANAACCTGAGCAGAGGTCAA            GCAAACCTGCCCTGGGCCACAGAGCAGCAGATGAAGGGCTAGACCTGGATCCAGAAGCT            AGGGCTCTCGGTCCAGCATTCCACTGGTGGACATCATGTTGGGCTTATTTTTTACCC            AGCGAAAGGTTTACCGTGAAGGGACCAAAAACCGCACTTCAGCCAGGCCAACCGGAAA            ACTTCAAACAAGTTTCAAACAGGCAACTGGGGGAAACACTGGTCCGTTTAAAAGAGAAC            CGAAACGCCTGACCCAATTCATGAAATGAAGCCAAGAACAACATGCCCGCTTGAAGAA            AGATGTTGGGAAAACAATCACCCAAATGGGGGGAAATATAAACCAAAAAAAAAAACCGG            GCCGGCTCCTAAGGAGGAGTGTATACGGAGAATATGTGAAAACCAACTTATGGGG            AAACCCCTTCCCAAGGGGTGGAAAAAGGCCCAAAAAGGCCCCCGGGGTTTAC            AAATGGGGGGGAAAAAAAAATTTTTAAAAAAAAAATTTGGGGAAAAAACCCACCCCTCC            CCCCACCTTTAATTTTTTTTACCAACCAAGGAGACAAAAATGGGGGCTCAATGTGTC            CTTCCCCCCCCAAAAAGGCCCGCCAAAAGGTTGGAAAAAAAACACGGGGCGGAGAG            ATCCCAATTTTTTTGGCCCCCTTTTTTCCACGGGAATTTTGCCTTTTTTTTTCCCC            CCCCCAAAAAAAATGTTTTGTTTTTTTATAAAAACAAATTTTTCTCTTCCCTCA            AAAAACTTATCCCTCCCCAAAAAAAAGGGGGTGCCATTGGGGCCAAGTTCT            ACAACGCCTTAATATTGATGGGGCCAAAGCCCCGAAACCTTAAATAAAAAACNCC            CTCAGTGTGTG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152233
<b>Insert Size:</b>	3100 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\\_152233.1](#), [NP\\_689419.1](#)

**RefSeq Size:** 2975 bp

**RefSeq ORF:** 1221 bp

**Locus ID:** 58533

**UniProt ID:** [Q9UNH7](#)

**Cytogenetics:** 14q13.1

**Domains:** PX

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS

**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 associates with the long isoform of the leptin receptor, the transforming growth factor-beta family of receptor serine-threonine kinases, and with receptor tyrosine kinases for platelet-derived growth factor, insulin, and epidermal growth factor. This protein may form oligomeric complexes with family member proteins through interactions of both the PX domain and the coiled coil regions of the molecules. Translocation of this protein from the cytoplasm to the nucleus occurs after binding to proviral integration site 1 protein. This gene results in two transcripts encoding two distinct isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) encodes the longest isoform (b). CCDS Note: The coding region has been updated to scale back the N-terminus to one that is more supported by available conservation data.