

## Product datasheet for **SC112577**

### SNX6 (NM\_021249) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX6 (NM_021249) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX6
Synonyms:	MSTP010; TFAF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112577 sequence for NM_021249 edited (data generated by NextGen Sequencing)

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ATGACGAAGGAAGAATTCACAAAGATGAAACAGGAACTGGAAGCTGAATATTTGGCAATA
TTCAAGAAGACAGTTGCGATGCATGAAAGTTCCTGTGTCGTGGCAGCACATCCTATT
TTGAGAAGAGATTTAAATTTCCATGTCTTCTTGGAAATATAATCAAGATTTGAGTGTGCGA
GGAAAAATAAAAAAGAGAACTTGAAGACTTCTTAAAAACATGGTTAAATCAGCAGAT
GGAGTAATCGTTTCAGGAGTAAAGGATGTAGATGATTTCTTTGAGCACGAACGAACATTT
CTTTTGGAAATACATAACCGAGTTAAGGATGCATCTGCTAAATCTGATAGAATGACAAGA
TCCCACAAAAGTCTGCAGATGATTACAATAGAATTGGTTCTTCATTATATGCTTTAGGA
ACTCAGGATTCTACAGATATATGCAAGTTTTTTCTCAAAGTTTCAGAACTGTTTCGATAAA
ACAAGAAAAATAGAAGCACGAGTGTCTGCTGATGAAGACCTCAAACCTTTCTGATCTTTTA
AAATATTACTTAAGAGAACTCAAGCTGCTAAGGATCTCCTGTATCGAAGGTCTAGGTCA
CTAGTGGATTATGAAAATGCTAATAAAGCACTGGATAAAGCAAGGCAAAAAATAAAGAT
GTTCTACAGGCCGAACTTCCCAACAATTATGTTGTCAGAAAATTTGAAAAATATCTGAG
TCTGCAAAACAAGAACTTATAGATTTTAAAGACAAGAAGAGTTGCTGCATTCAGAAAAAT
TTAGTGGAACTGGCAGAGTTAGAAGTGAAGCATGCAAAGGTAATCTACAGTTGCTGCAG
AACTGCCTGGCAGTGTAAATGGAGACACATAA

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Clone variation with respect to NM\_021249.3  
309 g=>a



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_021249 unedited</p> <pre> TTTGTATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGGAAGGCCTGGACGA CGGCCCGGACTTCCTCTCAGAAGAGGACCGCGGACTTAAAGCAATAAATGTAGATCTTCA AAGTGATGCTGCTCTGCAGGTGGACATTCTGTATGCTCTTAGTGAGCGGGATAAAGTAA ATTCACGTTCACACAAAGAGTTTATTGCCAAATTTTAAACAAAACGAGTTTTTCAGTTGT TCGGCAACATGAGGAATTTATCTGGCTTCATGATTCTTTGTTGAAAATGAAGACTATGC AGGTTATATCATTCCACCAGCACCAAGACCTGATTTTGATGCTTCAAGGGAAAAACT ACAGAAGCTTGGTGAAGGAGAAGGGTCAATGACGAAGGAAGAATTCACAAAGATGAAACA GGAAGCTGGAAGCTGAATATTTGGCAATATTCAAGAAGACAGTTGCGATGCATGAAGTGT CCTGTGTCGTGTGGCAGCACATCTATTTTGAAGAGATTTAAATTTCCATGTCTTCTT GGAATATAATCAAGATTTGAGTGTGCGAGGAAAAAATAAAAAAGAAAACCTGAAGACTT CTTTAAAAACATGGTTAAATCAGCAGATGGAGTAAATCGTTTCAGGAGTAAAGGATGTAGA TGATTTCTTTGAGCACGAACGAACATTTCTTTTGAATATCATNAACCGAGTAAGGATGC ATCTGCTAAATCTGATAGAATGACAAGATCCCCACAAAGTCTGCAGATGATTACCATAG AANTGGNTCTTCATTATATGCTNNTAGAACTCANGATTCTACAGATATATGCAAAGTNNNT TTCTCAAGTTTCAGAAGCTTTCGATAAACCCAGAAAATAGAGCACGAGTTCTGCTGATGAA GACTCAACTTTCTGATCTTAAAAAT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_021249 unedited</p> <pre> CTTTNCCAAGACGGGATACCAACATTTGATTAATNCCGCACAACACCCCTGTGAGGTAGG TCAGTATGTCCTTTAGAGTCGAGAAGTGGAGGCAAGCAACCTGCCCTGGGCCA CAGAGCAGCAGATGAAGGGCCTAGACCTGGATCCAGAAGCTAGGGCTCTCGGTCCAGCAT TCATCCACTGGTGGACATCACATGGGCTTATTTTTACCAGCGAAGGTTACGTGAAGGACA AAACGCACCTCAGCCAGCAACGGAAACTCAACAGTTCAAACAGCACTGGGGAACATGTCAG TTAAAGAGACGAAACGCTGACCAGCTCATGAATGAGGCAAGACAACATGCGGCTGAGGAA GTGTGGAATCATCAGACTGGGGATTAGACCAAGAACGGGCGCTCAGGAGGGTTCCAGGAA AATGTAACAAACTAGGAACCCATCCAAGGGGTGACAGGCCCAATGCCTACGGTCTCCA AATGGTAGAAAAATTAGAAAAAGATAGTGGAAAAATCCAACCACGCAACCTTAACTTTAA ACTAGGAATGACAATAATGTGTCTAATGTTTATTACACTAGAAAAGGCCGATAATGTTTG TAATATAACTACTGGCGATAGTATCCTATTTGTATGCCAACTTTCATCTCAAGTATTCTG CTTTTCTTTCCCCACAGACAAACAAGTNGTGTCTTTACAGCAGACCTTTCCCTCTAC ATACCAATCTATCCACTCGCATAACTACTAAGTGGCTCAATGGCCTATGTCTCATGCTTA ATGGGCTGAGCTAGGCGCGGAATCCGGGAAACCCACAGACTGTACTCTGCTCCTGTATT NCAGGAATAACTGTCACTAACCTGCCTCTGTCCGATTCACCTTCTTTGAAGTTCACACAG AGGACAGTTCATCCTTTTGAAGGGATGGGGGGATTTGTTCA </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_021249
<b>Insert Size:</b>	3090 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>	<a href="#">NM_021249.2</a> , <a href="#">NP_067072.2</a>
<b>RefSeq Size:</b>	3041 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	58533
<b>UniProt ID:</b>	<a href="#">Q9UNH7</a>
<b>Cytogenetics:</b>	14q13.1
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) retains an intron in the 5' UTR and represents the longest transcript. The resulting isoform (a) has a shorter N-terminus compared to isoform b.</p>