

Product datasheet for **SC109136**

SNX27 (NM_030918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX27 (NM_030918) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX27
Synonyms:	MRT1; MY014
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_030918, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGACGAGGACGGGAAGGGATTCCCTCAGCCCCTCACAGGAACGGAGGTGGCGGGCGGGCG
GGGGTCTGGGCTCCACTGCGCCGGGAACGGCGGGGGAGGCGGGCCCGGGTCTGTGCCATCGT
CAAGTCCGAGTCCGGCTACGGTTCAACGTGCGGGGCCAAGTGAGCGAGGGCGGCAACTGCGGAGCATC
AACGGGGAGCTGTACGCGCCGCTGCAGCATGTGAGCGCCGTGCTGCCCGGGGGCGGCCGATCGGGCCG
GGTGCACAAGGGGACCGCATCCTGGAGGTGAACCACGTGAATGTTGAGGGGGCGACACACAAGCAGGT
GGTGGACCTGATTCGAGCAGGCGAGAAGGAATTGATCTTGACAGTGTATCTGTACCTCCTCATGAGGCA
GATAACCTAGATCCCAGTGACGACTCGTTGGGACAATCATTTTATGATTACACAGAAAAGCAAGCAGTGC
CCATATCGGTCCCAGATACAAACATGTGGAGCAGAATGGTGAGAAGTTTGTGGTATAAATGTTTACAT
GGCAGGGAGGCAGCTGTGTTCTAAGCGGTACCGGGAGTTTGTCTATCCTACACCAGAACCTGAAGAGAGAG
TTTGCCAACTTTACATTTCTCGACTCCAGGGAAGTGGCCATTTTCATTATCAGAACAACAATTAGATG
CCCAGCTCGGGATTGGAAGAATATCTAGAAAAAGTGTGTTCAATACGAGTAATTGGTGAGAGTGACAT
CATGCAGGAATCCTATCAGAATCCGATGAGAACTACAATGGTGTGTCCGACGTAGAGCTGAGAGTAGCA
TTACCAGATGGAACAACGGTTACAGTCAGGGTTAAAAAGAACAGTACTACAGACCAAGTATATCAGGCTA
TCGAGCAAAAGTTGGCATGGACAGTACGACAGTGAATTAATTTGCCTTATTTGAAGTGATCAGTCACTC
CTTTGTACGTAATTTGGCACCTAATGAGTTTCTCACAACTCTACATTCAGAATTATACATCAGCTGTG
CCAGGCACCTGCTTGACCATTGAAAGTGGCTTTTACAACAGAAGAAGAAATCTCTTAAATGACAATG
ACCTTGCTGTACCTACTTCTTTCATCAGGCAGTCGATGATGTGAAGAAAGTTACATCAAAGCAGAAGA
AAAGTCTATCAATTACAGAAGCTATACGAACAAAGAAAAATGGTCATGTACCTCAACATGCTAAGGACT
TGTGAGGGCTACAATGAAATCATCTTTCCCACTGTGCCTGTGACTCCAGGAGAAAGGGGCACGTTATCA
CAGCCATCAGCATCACGCACTTTAAACTGCATGCCTGCCTGAAGAAGGACAGCTGGAGAACCAGGTAAT
TGCATTTGAATGGGATGAGATGCAGCGATGGGACACAGATGAAGAAGGGATGGCCTTCTGTTTCGAATAT
GCACGAGGAGAGAAGAAGCCCCGATGGGTTAAATCTTACGCCATATTTCAATTACATGCATGAGTGCT
TCGAGAGGGTGTCTGCGAGCTCAAGTGGAGAAAAGGAATATTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030918 unedited

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GCCTTTACGCGCCCGTTGCCGCATAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATATAA
GCAGAGCTCGTTTGTGAAACCGTACAGATTTTGTAAATACGACTACTATAGGGCGGCCCGC
GAATTCGGCACGAGGCCGCGGCCGGCGGATCGGGCGCGCGCTCGGGGGTCTGCCGGCTG
CCAGGCAGGGCGAGCACGCGCCGGGAGGCCCTGGAGGCGTAGGGGGCGGGGGTACGGCTC
GCCTGCTCGAAGATGGCGGACGAGGACGGGAAGGGATTCCCTCAACCCCTCACAG
GAACGGAGGTGGCGGCGCGCGGGGGTCTGGGCTCCACTGCGCCGGGAACGGCGGGCG
GGGAGGGCGCGGCCCGGGTCTGCGCATCGTCAAGTCCGAGTCCGGCATCGGCTTCAA
CGTGCGGGCCAAAGTGAGCGAGGGCGGGCAACTGCGGAGCATCAACGGGGAGCTGTACGC
GCCGCTGCAGCATGTGAGCGCCGTGCTGCCCGGGGGCGGCCGATCGGGCCGGGGTGGC
CAAGGGGGACCGCATCCTGGAGGTGAACCACGTGAATGTTGAGGGGGCGACACACAAGCA
GGTGGTGGACCTGATTCGAGCAGGCGAGAAGGAATTGATCTTGACAGTGTATCTGTACC
TNCTCATGATGCAGATAACCTAGATCCCAGTGACGACTCGTTGGGACAAATCATTTATGA
TTACACAGNAAATGCAGCAGTGCCCATTTCCGTTCCAGATACAAACATGTGGAGCAGAA
TGGTGAGAAGTTTGTGGGATATAATGTTTACATGGCAAGGGAGCAGCTTGGGTTCTAAGC
CGTACCCGGAGTTTGTATCCTACAACAGAACCCTGAAGAGAAAGGTGGCCCACTTC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_030918 unedited GTAGCGCCATTGGCTGATGGCAACTTGCCAGNCCAGGAAGAGCCTGGGGAAGGGTCACA GGGCTGCCACCCGGGTTCTGTTCAAGAAACAGCTATGACCGCGGCCGAATCTAGAGTCG AGTTTTTTTTTTCTTTTTTAAAGTTTGTTCAAAAGAAAGAGAGCAGGAGGGAGGTCA TGGATTCTAGTAAAGGTGTGTAACACACAAGCTAAAAAGGTACTGCCATCAATATGA AATTTAAAAGAAATATATATATGTATATACGTGCAGCTAATTTGTATATATAATTTT TACATACATACATATATATGTCTGAACAGTGCAAATGGATGAAGTTCATAGTTCCAGTTT TAAAAATATAGTACAAGGAGAGGCTGTTGGTATGAGGCCATGTGAAAGGACAAAGATAC CTTTGGCAAGTTGGTTGGGCTTATTTCTTTTCTGCTTAACTCATTTGACTTCTGGTGC TGACCGATCTGCTGTTCACTACCACCTCAATCCAGAGACATGAAATTCAGAGGGGGTTA TTAATAATATTTAGTTTAGGGCTTTTGAATATAACGACTTTAACTTTTTCTTTCTTTT TGTTAATGGTTACTCTGTCTGAAATGGGACATGAAAGGAGTAAGAGGATGGGGGTGAAGG GAAGGGAAAGGGATAAAAGGGAAAAGCTTTGGTGGGCCCTCTTTTTGCTGGTGACC CTCGCCATCTAGGAAAATGTTTCTTTTTCTCCACTTTGAGCTACGCAGAACCCCTC TCGAAAGCACTCATGCATNGTAATTGAAATATGGGCGTGAAAGATTTTTACCCATCGGGG GGCTTCTCTCTTCTCGTGGCATATCCAAAACAGAAAGCCCTTCCCTTTCTTCATT TGTGGTCCCATGCGCTGGCTTCTTCATCCCCATTCAAATTGCAATTACCTGGGGTTCT
Restriction Sites:	NotI-NotI
ACCN:	NM_030918
Insert Size:	3000 bp
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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_030918.5</u> , <u>NP_112180.4</u>
RefSeq Size:	7085 bp
RefSeq ORF:	1587 bp
Locus ID:	81609
UniProt ID:	<u>Q96L92</u>
Cytogenetics:	1q21.3
Domains:	RA, PX

Gene Summary:

This gene encodes a member of the sorting nexin family, a diverse group of cytoplasmic and membrane-associated proteins involved in endocytosis of plasma membrane receptors and protein trafficking through these compartments. All members of this protein family contain a phosphoinositide binding domain (PX domain). A highly similar protein in mouse is responsible for the specific recruitment of an isoform of serotonin 5-hydroxytryptamine 4 receptor into early endosomes, suggesting the analogous role for the human protein.

[provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.