

Product datasheet for **SC320230**

SNX1 (NM_003099) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX1 (NM_003099) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX1
Synonyms:	HsT17379; VPS5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003099.3
 GTGGAAGAAGATGGCGTCGGGTGGTGGCTGTAGCGCTTCGGAGAGACTGCCTCCGCC
 CTTCCCGGCCTGGAGCCGGAGTCCGAGGGGGCGCCGGGGGATCAGAACCCGAGGCTGG
 GGACAGCGACACCGAGGGGGAGGACATTTTACCAGCGCCCGCGGTGGTCAAGTAAACATCA
 GTCTCCAAAGATAACTACATCCCTTCTCCCATCAACAATGGCTCCAAAGAAAATGGGAT
 CCATGAAGAACAAGACCAAGAGCCACAGGATCTCTTTGCAGATGCCACAGTGGAGCTATC
 CTTGGACAGCACACAAAATAATCAGAAGAAGGTGCTAGCCAAAACACTCATTTCTCTTCC
 TCCTCAGGAAGCCACAAATTCTTGAAGCCCAAGCAACCTATGAGGAGCTAGAGGAAGA
 AGAACAGGAGGATCAATTTGATTGACAGTCGGTATAACTGATCCTGAGAAGATAGGGGA
 TGGTATGAATGCATATGTAGCCTACAAAGTTACAACACAGACAAGCTTACCATTGTTGAG
 AAGCAAACAGTTTGCAGTAAAAAGAAGATTTAGTGACTTTCTGGGTCTTTATGAGAAGCT
 TTCCGAGAAGCACTCTCAGAATGGCTTCATTGTCCCTCCACCCCGGAGAAGAGCCTCAT
 AGGGATGACAAAAGTAAAGTTGGGAAGGAAGATTTCTTCTGCAGAATTTCTTAAAA
 ACGGAGGGCCGCTTTAGAAAGGTACCTTCAGAGGATTGTAATCATCCTACCATGTTACA
 GGACCCTGACGTGAGAGATTCTTGGAAAAGAAGAGCTGCCACGTGCCGTGGGTACCCA
 GACATTGAGTGGTCTGCTCCTCAAGATGTTCAACAAAGCCACAGATGCCGTACAGAA
 AATGACCATCAAGATGAATGAATCAGACATTTGGTTTGAGGAGAAGCTCCAGGAGGTAGA
 GTGTGAGGAGCAGCGCTTACGAAAAGTGCATGCTGTTGTAGAAAAGTCTAGTCAACCATAG
 GAAAGAGCTAGCGCTGAACACAGCCAGTTTGAAGAGTCTAGCCATGCTTGGGAGCTC
 TGAGGACAACACGGCATTGTACGGGCACTCTCCAGCTGGGTGAGGTGGAAAGAAAAAT
 TGAGCAGCTCCACCAGGAACAGGCCAACAAATGACTTCTTCTCCTTGCTGAGCTCCTGAG
 TGACTACATTGCCTCCTGGCCATAGTCCGCGCTGCCTTCGACCAGCGCATGAAGACATG
 GCAGCGCTGGCAGGATGCCCAAGCCACACTGCAGAAGAAGCGGGAGGCCGAGGCTCGGCT
 GCTGTGGGCCAACAAAGCCTGATAAGCTGCAGCAGGCCAAGGACGAGATCCTCGAGTGGGA
 GTCTCGGGTGACTCAATATGAAAGGGACTTCGAGAGGATTTCAACAGTGGTCCGAAAAGA
 AGTGATACGGTTTGAAGAGAGAAATCCAAGGACTTCAAGAACCACGTGATCAAGTACCT
 TGAGACACTCCTTACTCACAGCAGCAGCTGGCAAAGTACTGGGAAGCCTTCTTCTCTGA
 GGCAAAGGCCATCTCCTAATGGACCAAGGACCCAGGCCACCTGTGTGACGCTGCCTT
 TTTATACACTGTCCTCCTCCACCTTGATGGACCCTAGTATGCATCCTGCCTAGGCTGG
 ACTTAACCCCTTCTCCTGTCCTCCACGACCAACTGTCCCAAGTACTCTAACCGTTATT
 TCATTTAGCTTCCATATATATTTTCTTACCTAAGAGAATAGTTTCTGCTTTAAGCAAAA
 GACCTACAATAGGTGGTGAATTATGGGATGGGGTGGAGTATTGATATAAATATATAAAT
 ACAAATGTATATTTTTCAGGATGTGGTTTAGGAACTGGGAATAACGTTTTCTGTTACTCC
 TGATGGTGCCATGAAAAGGTTATGTAATAAAATATTTTAAAAATCAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_003099

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_003099.3](#), [NP_003090.2](#)

RefSeq Size: 8221 bp

RefSeq ORF: 1569 bp

Locus ID: 6642

UniProt ID: [Q13596](#)

Cytogenetics: 15q22.31

Domains: PX, Sorting_nexin

Protein Families: Druggable Genome

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 endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This protein also has a role in sorting protease-activated receptor-1 from early endosomes to lysosomes. This protein may form oligomeric complexes with family members. This gene results in three transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.

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.