

Product datasheet for **RC232966**

SNX1 (NM_001242933) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX1 (NM_001242933) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNX1
Synonyms:	HsT17379; VPS5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC232966 representing NM_001242933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCGGGTGGTGGCTGTAGCGCTTCGGAGAGACTGCCTCCGCCCTTCCCGGCCCTGGAGCCGG
 AGTCCGAGGGGGCGGCCGGGGATCAGAACCAGGCTGGGGACAGCGACACCGAGGGGGAGGACATTTT
 CACCGGCCCGCGGTGGTCAGTAAACATCAGTCTCCAAAGATAACTACATCCCTTCTTCCCATCAACAAT
 GGCTCCAAAGAAAATGGGATCCATGAAGAACAAGACCAAGAGCCACAGGATCTCTTTGCAGATGCCACAG
 TGGAGCTATCCTTGGACAGCACAAAAAATCAGAAGAAGGTGCTAGCCAAAACACTCATTTTCTTCC
 TCCTCAGGAAGCCACAAATTCTTGAAGCCCCAGCCAACCTATGAGGAGCTAGAGGAAGAAGAACAGGAG
 GATCAATTTGATTTGACAGTCGGTATAACTGATCCTGAGAAGATAGGGGATGGTATGAATGCATATGTAG
 CCTACAAAGTTACAACACAGACAAGCTTACCATTGTTCAGAAGCAAACAGTTTGCAGTAAAAGAAGATT
 TAGTGACTTTCTGGGTCTTTATGAGAAGCTTTCCGAGAAGCACTCTCAGAATGGCTTCATTGTCCCTCCG
 CCCCCGAGAAGAGCCTCATAGGGATGACAAAAGTGAAAGTTGGGAAGGAAGATTCTTCTTCTGCAGAAT
 TTCTTGAAAAACGGAGGGCCGCTTTAGAAAAGGTACCTTCAGAGGATTGTAATATCCTACCATGTTACA
 GGACCCTGACGTCAGAGAGTTCTTGAAAAAGAAGAGCTGCCACGTGCCGTGGGTACCCAGACATTGAGT
 GGTGCTGGTCTCCTCAAGATGTTCAACAAAGCCACAGATGCCGTGAGCAAAATGACCATCAAGATGAATG
 AATCAGACATTTGGTTTGGAGAGAAGCTCCAGGAGGTAGAGTGTGAGGAGCAGCGCTTACGGAACTGCA
 TGCTGTTGTAGAACTCTAGTCAACCATAGGAAAGAGCTAGCGCTGAACACAGCCAGTTTGCAAAGAGT
 CTAGCCATGCTTGGGAGCTCTGAGGACAACACGGCATTGTACGGGCACTCTCCAGCTGGCTGAGGTGG
 AAGAAAAAATTGAGCAGCTCCACCAGGAACAGGCCAACAAATGACTTCTTCTCCTTGTGAGCTCCTGAG
 TGACTACATTGCGCTCCTGGCCATAGTCCGCGCTGCCTTCGACCAGCGCATGAAGACATGGCAGCGCTGG
 CAGGATGCCCAAGCCACACTGCAGAAGAAGCGGGAGGCCGAGGCTCGGCTGCTGTGGGCCAACAGCCTG
 ATAAGCTGCAGCAGGCCAAGGACGAGATCCTCGAGTGGGAGTCTCGGGTACTCAATATGAAAGGGACTT
 CGAGAGGATTTCAACAGTGGTCCGAAAAGAAGTGATACGGTTTGAGAAAGAGAAAACAAGGACTTCAAG
 AACACAGTATCAAGTACCTTGGACACTCCTTACTCACAGCAGCAGGCTGGGGAGCAGTTGGGAATCA
 GGTCTGGAATACTCCTAACCAAGAAGTTGCCAGGTATAGTAAGTTTTTCTTACCGTTCACAAGTTTTG
 TGCTGCTGCTTCCCTCTGAAAATGGGGTTCTTCTCCTCCGCTACCTCAGCTACCTGTT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RC232966 representing NM_001242933
 Red=Cloning site Green=Tags(s)

MASGGGGCSASERLPPFPGLPESEGAAGGSEPEAGDSDEGEDIFTGAAVSKHQSPKITTSLPINN
 GSKENGIHEEQDQEPQDLFADATVELSLDSTQNNQKKVLAKTLISLPPQEATNSSKPQPTYEELEEEEQE
 DQFDLTVGITDPEKIGDGMNAYVAYKVTQTSLPLFRSKQFAVKRRFSDFLGLYEKSEKHSQNGFIVPP
 PPEKSLIGMTKVKVGKEDSSAEFLKRRALERYLQRIVNHPMTLQDPDVREFLEKEELPRAVGTQTL
 GAGLLKMFNKATDAVSKMTIKMNESDIWFEEKLQVEVECEQRLRKLHAVVETLVNHRKELALNTAQFAK
 LAMLGSSDNTALSRALSQLAEEVEEKIEQLHQEQANNDFFLLAELLSDYIRLLAIVRAAFDQRMKTWQRW
 QDAQATLQKKREAEARLLWANKPKLQAKDEILEWESRVTQYERDFERISTVVRKEVIRFEKESKDFK
 NHVIKYLETLQYQQAGEQLGIRSGILLTKKLPRYSKFFSTVHKFCAAASLWKWGFFLSAYLSYLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

ACCN:	NM_001242933
ORF Size:	1671 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001242933.2
RefSeq Size:	7858 bp
RefSeq ORF:	1674 bp
Locus ID:	6642
UniProt ID:	Q13596
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome
MW:	63.5 kDa
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]