

Product datasheet for **RC201844**

SNX1 (NM_003099) Human Tagged ORF Clone

Product data:

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



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC201844 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGTCGGGTGGTGGCTGTAGCGCTTCGGAGAGACTGCCTCCGCCCTTCCCGGCCCTGGAGCCGG
 AGTCCGAGGGGGCGGCCGGGGATCAGAACCCGAGGCTGGGGACAGCGACACCGAGGGGAGGACATTTT
 CACCGGCGCCGCGGTGGTCAGTAAACATCAGTCTCCAAAGATAACTACATCCCTTCTTCCCATCAACAAT
 GGCTCCAAAGAAAATGGGATCCATGAAGAACAAGACCAAGAGCCACAGGATCTCTTTGCAGATGCCACAG
 TGGAGCTATCCTTGGACAGCACACAAAATAATCAGAAGAAGGTGTAGCCAAACACTCATTTCTCTTCC
 TCCTCAGGAAGCCACAAATTCTTGAAGCCCCAGCCAACCTATGAGGAGCTAGAGGAAGAAGAACAGGAG
 GATCAATTTGATTTGACAGTCGGTATAACTGATCCTGAGAAGATAGGGGATGGTATGAATGCATATGTAG
 CCTACAAAGTTACAACACAGACAAGCTTACCATTGTTTCAAGCAAAACAGTTTGCAGTAAAAAGAAGATT
 TAGTGACTTTCTGGGTCTTTATGAGAAGCTTTCCGAGAAGCACTCTCAGAATGGCTTCATTGTCCCTCCA
 CCCCCGAGAAGAGCCTCATAGGGATGACAAAAGTGAAAGTTGGGAAGGAAGATTCTTCTTCTGCAGAAAT
 TTCTTGAAAAACGGAGGGCCGCTTTAGAAAAGGTACCTTCAGAGGATTGTAATATCCTACCATGTTACA
 GGACCCTGACGTGAGAGATTCTTGAAAAAGAAGAGTGCCACGTGCCGTGGGTACCCAGACATTGAGT
 GGTGCTGGTCTCCTCAAGATGTTCAACAAAGCCACAGATGCCGTGAGCAAAATGACCATCAAGATGAATG
 AATCAGACATTTGGTTTGGAGAGAAGCTCCAGGAGGTAGAGTGTGAGGAGCAGCGCTTACGGAACTGCA
 TGCTGTTGTAGAACTCTAGTCAACCATAGGAAAGAGCTAGCGCTGAACACAGCCAGTTTGCAAAGAGT
 CTAGCCATGCTTGGGAGCTCTGAGGACAACACGGCATTGTACGGGCACTCTCCAGCTGGCTGAGGTGG
 AAGAAAAAATTGAGCAGCTCCACCAGGAACAGGCCAACAAATGACTTCTTCTCCTTGTGAGCTCCTGAG
 TGACTACATTGCGCTCCTGGCCATAGTCCGCGCTGCCTTCGACCAGCGCATGAAGACATGGCAGCGCTGG
 CAGGATGCCCAAGCCACACTGCAGAAGAAGCGGGAGGCCGAGGCTCGGCTGCTGTGGGCCAACAGCCTG
 ATAAGCTGCAGCAGGCCAAGGACGAGATCCTCGAGTGGGAGTCTCGGGTGAATATGAAAGGGACTT
 CGAGAGGATTTCAACAGTGGTCCGAAAAGAAGTGATACGGTTTGAGAAAGAGAAATCCAAGGACTTCAAG
 AACCCAGTGATCAAGTACCTTGAGACACTCCTTTACTCACAGCAGCAGCTGGCAAAGTACTGGGAAGCCT
 TCCTTCTGAGGCAAAGGCCATCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201844 protein sequence
 Red=Cloning site Green=Tags(s)

MASGGGGCSASERLPPFPGLPESEGAAGGSEPEAGSDTEGEDIFTGAADVSKHQSPKITTSLPINN
 GSKENGIHEEQDQEPQDLFADATVELSLDSTQNNQKKVLAKTLISLPPQEATNSSKPQPTYEELEEEEQE
 DQFDLTVGITDPEKIGDGMNAYVAYKVTTQTSPLFRSKQFAVKRRFSDFLGLYEKLSEKHSQNGFIVPP
 PPEKSLIGMTKVKGKEDSSSAEFLEKRRRAALERYLQRIVNHPTMLQDPDVREFLEKEELPRAVGTQTL
 GAGLLKMFNKATDAVSKMTIKMNESDIWFEEKLQEVCEEQRLRKLHAVVETLVNHRKELALNTAQFAKS
 LAMLGSSEDNTALSRALSQLAEVEEKIEQLHQEQANNDFFLLAELLSDYIRLLAIVRAAFDQRMKTWQRW
 QDAQATLQKKREAEARLLWANKPDKLQAKDEILEWESRVTYQYERDFERISTVVRKEVIRFEKEKSKDFK
 NHVIKYLETLLYSQQQLAKYWEAFLPEAKAIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6206_e03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003099

ORF Size: 1566 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_003099.5](#)

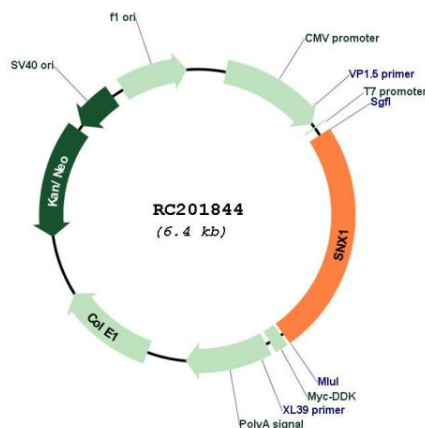
RefSeq Size: 8332 bp

RefSeq ORF: 1569 bp

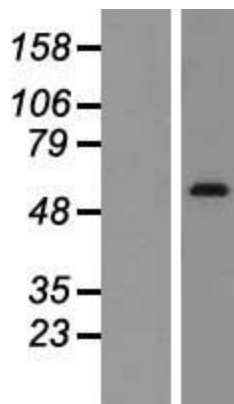
Locus ID: 6642

UniProt ID:	Q13596
Cytogenetics:	15q22.31
Domains:	PX, Sorting_nexin
Protein Families:	Druggable Genome
MW:	59.1 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]

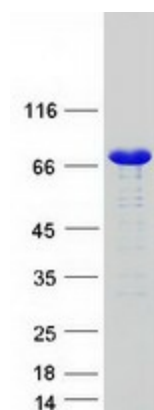
Product images:



Circular map for RC201844



Western blot validation of overexpression lysate (Cat# [LY418900]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201844 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX1 protein (Cat# [TP301844]). The protein was produced from HEK293T cells transfected with SNX1 cDNA clone (Cat# RC201844) using MegaTran 2.0 (Cat# [TT210002]).