

Product datasheet for **RC218477**

SNX27 (NM_030918) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX27 (NM_030918) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNX27
Synonyms:	MRT1; MY014
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC218477 representing NM_030918
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACGAGGACGGGGAAGGGATTATCCCTCAGCCCTCACAGAACGGAGGTGGCGGCGCGGCCG
 GGGGCTCTGGCTCCACTGCGCCGGGAACGGCGCGGGGAGGCGCGGCCCGCGGGTCTGTCGCATCGT
 CAAGTCCGAGTCCGGCTACGGCTTCAACGTGCGGGGCCAAGTGAGCGAGGGCGGGCAACTCGGGAGCATC
 AACGGGGAGCTGTACGCGCCGCTGCAGCATGTGAGCGCCGTGCTGCCGGGGGGCGGCCGATCGGGCCG
 GGTGCGCAAGGGGACCGCATCCTGGAGGTGAACCACGTGAATGTTGAGGGGGCGACACACAAGCAGGT
 GGTGGACCTGATTCGAGCAGGCGAGAAGGAATTGATCTTGACAGTGTATCTGTACTCTCATGAGGCA
 GATAACCTAGATCCCAGTGACGACTCGTGGGACAATCATTTTATGATTACACAGAAAAGCAAGCAGTGC
 CCATATCGGTCCCAGATACAAACATGTGGAGCAGAATGGTGAGAAGTTTGTGGTATATAATGTTTACAT
 GGCAGGGAGGCAGCTGTGTTCTAAGCGGTACCGGGAGTTTGTATCCTACACCAGAACCTGAAGAGAGAG
 TTTGCCAACTTTACATTTCTCGACTCCAGGGAAAGTGGCCATTTTCATTATCAGAAACAATAAGATG
 CCCGACGTCGGGGATTGGAAGAATATCTAGAAAAGTGTGTTCAATACGAGTAATTGGTGAGAGTGACAT
 CATGCAGGAATTCCTATCAGAATCCGATGAGAATAAATGGTGTGTCCGACGTAGAGCTGAGAGTAGCA
 TTACCAGATGGAACAACGGTTACAGTCAGGGTTAAAAAGAACAGTACTACAGACCAAGTATATCAGGCTA
 TCGCAGCAAAGGTTGGCATGGACAGTACGACAGTGAATTAATTTGCCTTATTTGAAGTGATCAGTCACTC
 CTTTGTACGTAATGGCACCTAATGAGTTTCTCACAACTCTACATTCAGAATTATACATCAGCTGTG
 CCAGGCACCTGCTTGACCATTGAAAAGTGGCTTTTACAACAGAAGAAGAAATTTCTTAAATGACAATG
 ACCTTGCTGTTACCTACTTCTTTTATCAGGCAGTCGATGATGTGAAGAAAGGTTACATCAAAGCAGAAGA
 AAAGTCTATCAATTACAGAAGCTATACGAACAAGAAAATGGTCATGTACCTCAACATGCTAAGGACT
 TGTGAGGGCTACAATGAAATCATCTTTCCCACTGTGCCTGTGACTCCAGGAGGAAGGGGACGTTATCA
 CAGCCATCAGCATCACGCACTTTAACTGCATGCCTGCACTGAAGAAGGACAGCTGGAGAACCAGGTAAT
 TGCATTTGAATGGGATGAGATGCAGCGATGGGACACAGATGAAGAAGGGATGGCCTTCTGTTTCGAATAT
 GCACGAGGAGAGAAGAAGCCCCGATGGGTTAAATCTTACGCCATATTTCAATTACATGCATGAGTGTCT
 TCGAGAGGGTGTCTGCGAGCTCAAGTGGAGAAAAGGGAATAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218477 representing NM_030918
 Red=Cloning site Green=Tags(s)

MADEDGEGIHPSAPHRNGGGGGGGSLHCAGNNGGGGGPRVVRIVKSESGYGFNVRGQVSEGGQLRSI
 NGELYAPLQHVSAVLPGGAADRAGVRKGDRILEVNHVNEGATHKQVVDLIRAGEKELILTVLSVPPHEA
 DNLDPSDDSLGQSFYDYTEKQAVPISVPRYKHVEQNGEKFVVYNYVMAGRQLCSKRYREFAILHQNLKRE
 FANFTFPRLPGKWPFSLSEQQLDARRRGLLEEYLEKVCIRVIGESDIMQEFLSESDENYNGVSDVELRVA
 LPDGTTVTVRVKKNSTTDQVYQIAAAKVGMDSTTVNYFALFEVISHSFVRKLPNEFPKLYIQNYTSAV
 PGTCLTIRKWLFTTEEEILLNDNDLAVTYFFHQAVDDVKKGYIKAEESYQLQKLYEQRKMVMYLNMLRT
 CEGYNEIIFPHCACDSRRKGHVITAIISITHFKLHACTEEGQLENQVIAFEWDEMQRWDTDEEGMAFCFEY
 ARGEKKPRWVKIFTPYFNYMHCFERVFCELKWRKEEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6119_b01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_030918

ORF Size: 1584 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.

RefSeq: [NM_030918.6](#)

RefSeq Size: 7085 bp

RefSeq ORF: 1587 bp

Locus ID: 81609

UniProt ID: [Q96L92](#)

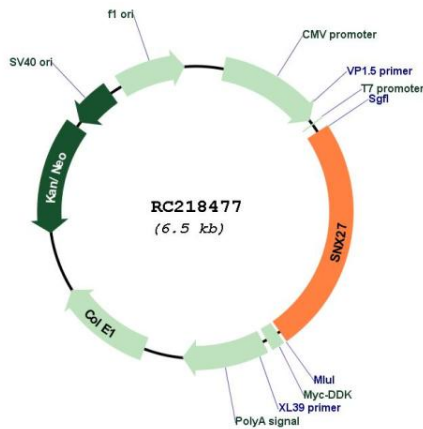
Cytogenetics: 1q21.3

Domains: RA, PX

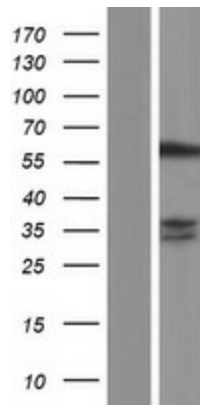
MW: 59.6 kDa

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]

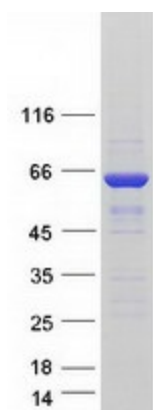
Product images:



Circular map for RC218477



Western blot validation of overexpression lysate (Cat# [LY403094]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218477 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX27 protein (Cat# [TP318477]). The protein was produced from HEK293T cells transfected with SNX27 cDNA clone (Cat# RC218477) using MegaTran 2.0 (Cat# [TT210002]).