

Product datasheet for **RN215439**

Snx17 (NM_001011981) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snx17 (NM_001011981) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Snx17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215439 representing NM_001011981
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCACCTTTCCATTCTGAAACCGAGTCCCGCAGCGGGACAGCGCGGCTCCACCTACGTGGCCTATA
ACATTCACGTGAATGGAGTCTGCACTGTCGTGTGCGCTACAGCCAGCTCCTGGGGCTGCACGAGCAGCT
TCGGAAGGAGTATGGGGCCAATGTGCTTCTGCACTCCCGCCAAAGAAGCTTTTCTTTTACGCCTGCA
GAGGTAGAACAGAGGAGGGAACAGTTAGAGAAGTACATGCAAGCTGTTTCGCAAGATCCATTGCTTGGGA
GCAGTGAGACCTTAATAGCTTTCTACGTGGGCCAACAGGAGACACAACAGGTCCCCACAGAGGAGGT
TTCCTTGGAAAGTGTGCTCAGTGACGGACAGAAAGTTCTGGTCAATGTGCTAACTTCTGACCAGACGGAA
GACGCTCTGGAGGCCGTGGCTGCAAAGCTGGATTTCCAGATGACTTGATCGGATATTTTAGTCTCTTCC
TTGTTTCGAGAAAAAGAAGATGGCGCCTTTCTTTTGTACGGAAGCTTCAGGAGTTTGAGTCCTTACGT
ATCTGTACCAGTCTTCGGAGTCAAGAGTATAAGATCGTGCTCAGAAAGAGTTACTGGGACTCTGCCTAT
GACGACGATGTCATGGAGAACCGGGTTGGCCTGAACCTGCTTTATGCCAGACGGTGTGACAGATCGAGC
ATGGCTGGATCCTGGTCAACAAGGAGCAGCACCGACAGCTCAAATCTCTGCAAGAGAAGGTCTCCAAAAA
GGAGTTCTTGGCGCTGGCCAGACTCTGCGGCACTATGGCTATCTGCGCTTTGATGCCTGTGTGGCTGAC
TTTCCGGAGAAGGACTGCCCTGTTGTGGTCAGTGACGGCAACAGTGAGCTCAGTCTCCAGCTGCGACTCC
CAGGCCAGCAGCTCCGTGAAGGCTCTTCCGGGTACCCGAATGCGGTGCTGGCGGGTCACTCTCTGT
GCCACTCCCAGTGGGGGTACAAGCACTCCAAGCCGGGTGCGGGTGAGGTACGCTGGAAGTGGCTTTT
GAATACCTCATGAGCAAGGACCGGCTACAGTGGGTACCATCACCAGCCACAGGCTATCATGATGAGCA
TCTGCCTGCAGTCCATGGTAGATGAGCTGATGGTGAAGAAGTCTGGGGCAGTATCAGGAAGATGCTGCG
TCGGAGGGTGGGGGCAACCTGAGACGTTACAGACGCCAGCAAGCAGTGAAGTCCCACCATTTGCTCGAA
TACCAGATGCCAGCGGGAATCCATGGTCAAACCTCTCAAGTAAACTGAGTGCGGTGAGCTTGGCGGAA
TTGGCAGTCCCAGCACAGATGCCAGTGGCAGTCCCGTCCAGGCAATTTGCGCTTCGAGGCAATTGGAGA
TGAGGATCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001011981

Insert Size: 1413 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:

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_001011981.1](#), [NP_001011981.1](#)

RefSeq Size: 1944 bp

RefSeq ORF: 1413 bp

Locus ID: 298836

UniProt ID: [Q6AYS6](#)

Cytogenetics: 6q14

Gene Summary: Critical regulator of endosomal recycling of numerous surface proteins, including integrins, signaling receptor and channels. Binds to NPxY sequences in the cytoplasmic tails of target cargos. Associates with retriever and CCC complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGB1, ITGB5 and their associated alpha subunits. Also required for maintenance of normal cell surface levels of APP and LRP1. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)).[UniProtKB/Swiss-Prot Function]