

## Product datasheet for RC211409

### SNX22 (NM\_024798) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNX22 (NM\_024798) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SNX22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC211409 representing NM\_024798  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGAAGTTCACATCCCGTCGGTGGGGCCCGAGGCCGAGGGGCCAGGCAGAGCCCGGAGAAAAGCC  
ACATGGTGTTCGAGTGGAGGTGCTGTGCAGCGGGCGCAGACACCGGTGCCAAGGCGCTACAGCGAGTT  
CCACGCGCTGCACAAGCGGATCAAGAAGCTGTACAAAGTGCCCGACTTCCCCTCGAAACGCTGCCAAC  
TGGAGGACCAGAGGTTTGAACAGCGCCGCGAGGGCTTGGAGGCTTACATCCAGGGCATCCTGTACCTGA  
ACCAGGAGGTGCCAAGGAGTTACTGGAATTCCTGAGACTTCGGCACTTCCCACAGACCCCAAGGCTAG  
CAACTGGGGCACCTGAGGGAGTTCTGCTGGCGACAGCAGCTCCAGCAGCACCAGCGGCTGTCTGT  
AGCTTCCATGTGGATCCCTATGTTTGAACCCCTCCCCAGAGTCGCTGCCAACGTGGTGGTGAATGGTG  
TGCTCCAGGGCCTCTACAGCTTCAGCATCAGCCAGATAAAGCCAGCCAAAGGGCGGCTGTACCCCTGC  
TCCTCTGCCACCGATGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC211409 representing NM\_024798  
Red=Cloning site Green=Tags(s)

MLEVHIPSVGPEAEGPRQSPEKSHMVFVRVEVLCSGRRHTVPRRYSEFHALHKRIKKLYKVPDFPSKRLPN  
WRTRGLEQRRQGLEAYIQGILYLNQEVPKELLEFLRLRHFPDTPKASNWGTLREFLPDSSSQHQRPVL  
SFHVDPPVCNPSPELNVVNGVLQGLYSFSISPDKAQPKAACHPAPLPPMP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

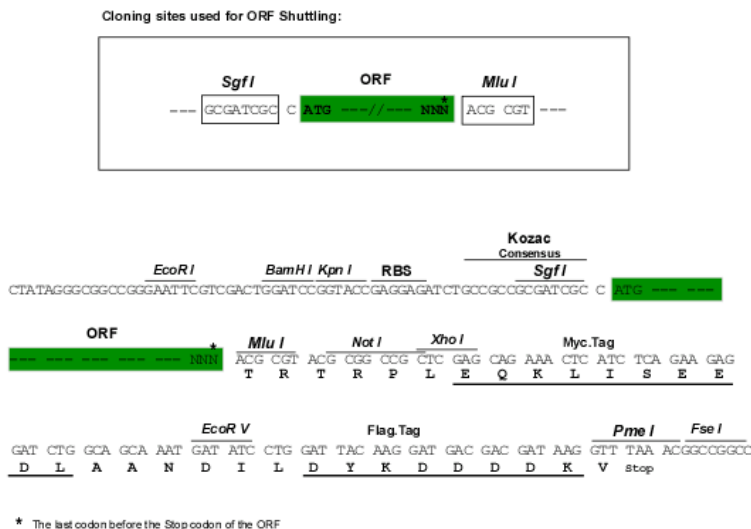
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8025\\_e02.zip](https://cdn.origene.com/chromatograms/mk8025_e02.zip)



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024798

**ORF Size:** 579 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\\_024798.3](#)

**RefSeq Size:** 3614 bp

**RefSeq ORF:** 582 bp

**Locus ID:** 79856

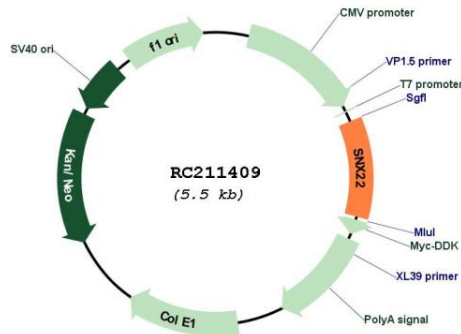
**UniProt ID:** [Q96L94](#)

**Cytogenetics:** 15q22.31

**MW:** 21.9 kDa

**Gene Summary:** The protein encoded by this gene is a sorting nexin that is found in the cytoplasm, where it interacts with membrane-bound phosphatidylinositol 3-phosphate. The encoded protein may play a role in intracellular trafficking. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Dec 2012]

**Product images:**



Circular map for RC211409