

## Product datasheet for RC235648

### SNX3 (NM\_001300928) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNX3 (NM\_001300928) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SNX3  
**Synonyms:** Grd19; MCOPS8; SDP3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC235648 representing NM\_001300928  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCGGAGACCGTGGCTGACACCCGGCGGCTGATCACCAAGCCGAGAACCTGAATGACGCCTACGGAC  
 CCCCAGCAACTCCTCGAGATCGATGTGAGCAACCCGAAACGGTGGGGTCGGCCGGGCGCTTCAC  
 CACTTACGAAATCAGGGTCAAGACAAATCTTCTATTTTCAAGCTGAAAGAAATCTACTGTTAGAAGAAGA  
 TACAGTGACTTTGAATGGCTGCGAAGTGAATTAGAAAGAGAGAGCAAGGGTCGCTGGTCATCCTCTGGCA  
 CAGAACGAACGTTGTCTTACATGTTTTACAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235648 representing NM\_001300928  
 Red=Cloning site Green=Tags(s)

MAETVADTRRLITKPQLNDAYGPPSNFLEIDVSNPQTVGVGRGRFTTYEIRVKTNLPIFKLKESTVRRR  
 YSDFEWRSELERESKGRWSSSGTERTLSSHVFTR

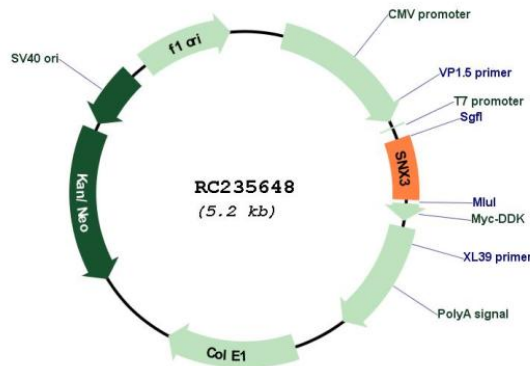
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001300928

ORF Size: 315 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001300928.2</a></u>
<b>RefSeq Size:</b>	1652 bp
<b>RefSeq ORF:</b>	318 bp
<b>Locus ID:</b>	8724
<b>Cytogenetics:</b>	6q21
<b>MW:</b>	12.6 kDa
<b>Gene Summary:</b>	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 protein does not contain a coiled coil region, like most family members. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. A pseudogene of this gene is present on the sex chromosomes. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]