

## Product datasheet for **RC227550**

### **SNX3 (NM\_152827) Human Tagged ORF Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** SNX3 (NM\_152827) 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:** >RC227550 representing NM\_152827  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGGCGGAGACCGTGGCTGACACCCGGCGGCTGATCACCAAGCCGCAGAACCTGAATGACGCCTACGGAC**  
**CCCCAGCAACTCCTCGAGATCGATGTGAGCAACCCGAAACGGTGGGGTTCGGCCGGGCGCTTCAC**  
**CACTTACGAAATCAGGGTCAAGGTCGTAGTTCCCCGCTCCCTGGGAAAGCGTTTTTGCCTCAGCTTCCT**  
**TTTAGAGGAGATGATGGAATATTTGATGACAATTTTATTGAGGAAAGAAAACAAGGGCTGGAGCAGTTTA**  
**TAAACAAGGTCGCTGGTCATCCTCTGGCACAGAACGAACGTTGTCTTCACATGTTTTACAAGATGAAAT**  
**AATAGATAAAAAGCTATACTCCATCTAAAATAAGACATGCC**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC227550 representing NM\_152827  
**Red**=Cloning site **Green**=Tags(s)

MAETVADTRRLITKPQNLNDAYGPPSNFLEIDVSNPQTVGVGRGRFTTYEIRVKVVVPLPGKAFLRQLP  
FRGDDGIFDDNFIEERKQGLEQFINKVAGHPLAQNERCLHMFLQDEIIDKSYTPSKIRHA

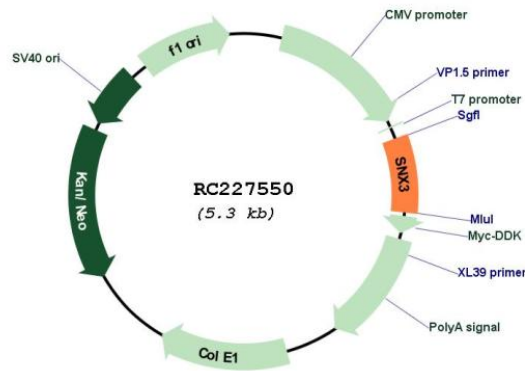
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_152827

**ORF Size:**

390 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>	<a href="#">NM_152827.4</a>
<b>RefSeq ORF:</b>	393 bp
<b>Locus ID:</b>	8724
<b>UniProt ID:</b>	<a href="#">O60493</a>
<b>Cytogenetics:</b>	6q21
<b>MW:</b>	14.6 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]