

## Product datasheet for **RC222633**

### **SNX21 (NM\_033421) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNX21 (NM\_033421) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SNX21  
**Synonyms:** C20orf161; dj337O18.4; PP3993; SNX-L; SNXL  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC222633 representing NM\_033421  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCCGTGGGACGCAGGAGGGTGCCATGGCCTCCCGGCTCCTGCACCCGGCTGCGGCACGCCTTGCCCG  
GCGACGGCCCCGGGAGGCGGCCAGTCCAGAGGCCGAGCAGTTTCCGGAGAGCTCAGAGCTGGAGGA  
CGACGACGCCGAGGGCCTGTCTCCGACTCAGCGGCACCCTCAGCTTACCAGCGCCGAGGACGACGAG  
GACGACGAGGACGAGGACGACGAGGAGGCTGGCCCTGACCAGCTGCCCTCGGGGATGGGACGTCAGGAG  
AAGACGCAGAACGAGGCCCCACCTGATGGGCAGTGGGGCAGTCAGCTCCTGGCGCGCAGCTGCAGGA  
TTTCTGGAAGAAGTCCCGGAACACCTTGGCACCCAGCGGCTGCTCTTGAAGTGACCAGCGCTAACGTT  
GTCAAGGACCCGCCCTCCAAGTACGTGCTTACACCCCTCGCCGTGATCGGCCAGGACCGCCAGATTGCC  
AGCCAGCCAGATCTCTCGCCGTTACTCGGACTTTGAGCGGCTGCACCGAAACCTGCAGCGGCAATTCCG  
GGGCCAATGGCTGCCATCTCTTCCCCGTAAGCGGCTGCGCCGGAATTTACTGCAGAGACCATTGCC  
CGCCGTAGCCGGCCTTTGAGCAGTTTTTGGGTACCTGCAGGCAGTGCCTGAGCTGCGCCATGCCCCGG  
ACCTGCAGGACTTCTTCTGCTGCGGAGCTGCGGCGGGCACAGAGCCTCACCTGTACTGGCCTCTATCG  
TGAGGCTCTGGCACTCTGGCCAATGCCTGGCAGCTGCAAGCCAGCTGGGCACCCCTCTGGCCAGAC  
CGCCCCCTGCTGACCCTGGCTGGCTGGCCGTGTGCCACCAGGAGCTGGAAGACCTGGAGAGGCCCGGG  
CATGCTGTGAGAAGGCCCTGCAGCTGCTTGGGACAAGAGCCTCCACCCTTTGCTGGCACCCCTTTCTGGA  
GGCCCATGTCCGGCTCTCTGGCGCTGGGCTGGACAAACGTAATCAGAGGCTCGGCTCCAAGCCCTG  
CAGGAGGCAGGCCTTACCCACACCACCCCACTCTCAAGAATTGCTCATCAAGGAGGTGCTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC222633 representing NM\_033421  
 Red=Cloning site Green=Tags(s)

MHRGTQEGAMASRLLHRLRHLAGDGPGEAAASPEAEQFPESSELEDDDAEGLSSRLSGTLSFTSAEDDE  
 DDEDEDDEEAGPDQLPLGDGTSGEDAERSPPPDGQWGSQLLARQLQDFWKKSRNTLAPQRLLFEVTSANV  
 VKDPPSKYVLYTLAVIGPDPDCQPAQISRYSDFERLHRNLQRQFRGPMAAISFPRKRLRRNFTAETIA  
 RRSRAFEQFLGHLQAVPELRHAPDLQDFVLPPELRRAQSLTCTGLYREALALWANAWQLQAQLGTPSPGD  
 RPLLTLAGLAVCHQELEDPGEARACCEKALQLLGDKSLHPLLAPFLEAHVRLSWRLGLDKRQSEARLQAL  
 QEAGLTPTPPPSLKELLIKEVLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

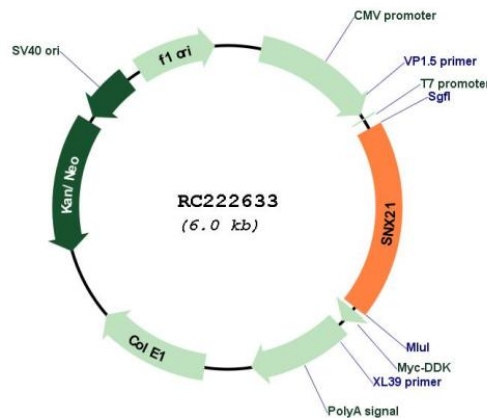
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_033421

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_033421.4</a>
<b>RefSeq Size:</b>	3173 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	90203
<b>UniProt ID:</b>	<a href="#">Q969T3</a>
<b>Cytogenetics:</b>	20q13.12
<b>Domains:</b>	PX
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	41.2 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 some family members. The specific function of this protein has not been determined. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]