

## Product datasheet for RC205765

### SNX21 (NM\_152897) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNX21 (NM\_152897) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SNX21  
**Synonyms:** C20orf161; dj337O18.4; PP3993; SNX-L; SNXL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC205765 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCACCGTGGGACGAGGAGGGTGCCATGGCCTCCCGGCTCCTGCACCGGCTGCGGCACGCCTTGCCG  
 GCGACGGCCCGGGGAGGCGCGGCCAGTCCAGAGGCCGAGCAGTTTCCGAGAGCTCAGAGCTGGAGGA  
 CGACGACGCCGAGGGCTGTCTCCGACTCAGCGGCACCCTCAGCTTACCAGCGCCGAGGACGACGAG  
 GACGACGAGGACGAGGACGACGAGGAGGCTGGCCTGACCAGCTGCCCTCGGGGATGGGACGTCAGGAG  
 AAGACGCAGAACGAGCCCCCACCTGATGGGCAGTGGGCAGTCAGCTCCTGGCGCGGACGCTGCAGGA  
 TTTCTGGAAGAAGTCCCGGAACACCTTGGCACCCAGCGGCTGCTCTCGAAGTGACCAGCGCTAACGTT  
 GTCAAGGACCCGCCCTCCAAGTACGTGCTCTACACCTCACCGTGATCGGCCAGGACCGCCAGATTGCC  
 AGCCAGCCAGATCTCTCGCCGTTACTCGGACTTTGAGCGGCTGCACCGAAACCTGCAGCGGCAATTCCG  
 GGGCCCAATGGCTGCCATCTCTTCCCCAGTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205765 protein sequence  
 Red=Cloning site Green=Tags(s)

MHRGTQEGAMASRLHRLRHLAGDGPGEAAASPEAEQFPESSELEDDDAEGLSSRLSGTLSFTSAEDDE  
 DDEDEDDEEAGPDQLPLGDGTSGEDAERSPPPDGQWGSQLLARQLQDFWKSRNTLAPQRLLFEVTSANV  
 VKDPPSKYVLYTLTVIGPPDCQPAQISRRYSDFERLHRNLQRQFRGPMAAISFPQSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6327\\_h11.zip](https://cdn.origene.com/chromatograms/mk6327_h11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152897

**ORF Size:** 597 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.

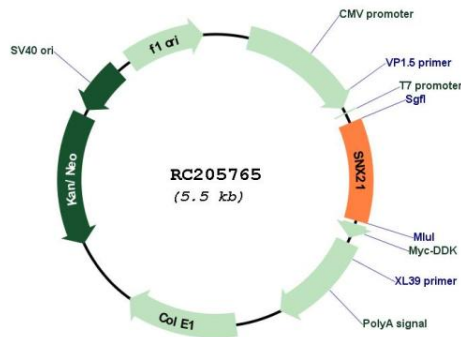
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_152897.3](#)

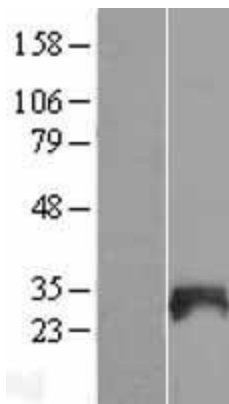
**RefSeq Size:** 1921 bp

RefSeq ORF:	600 bp
Locus ID:	90203
UniProt ID:	<a href="#">Q969T3</a>
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome
MW:	21.9 kDa
Gene Summary:	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]

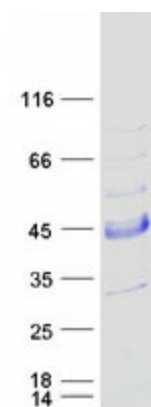
### Product images:



Circular map for RC205765



Western blot validation of overexpression lysate (Cat# [LY407259]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205765 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX21 protein (Cat# [TP305765]). The protein was produced from HEK293T cells transfected with SNX21 cDNA clone (Cat# RC205765) using MegaTran 2.0 (Cat# [TT210002]).