

Product datasheet for **RC219040**

SNX21 (NM_001042633) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNX21 (NM_001042633) 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: >RC219040 representing NM_001042633
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCGTGGGACGCAGGAGGGTGCCATGGCCTCCCGGCTCCTGCACCGGCTGCGGCACGCCTTGCCG
GCGACGGCCCCGGGGAGGCGCGGCCAGTCCAGAGGCCGAGCAGTTTCCGGAGAGCTCAGAGCTGGAGGA
CGACGACGCCGAGGGCTGTCTCCGACTCAGCGGCACCCTCAGCTTACCAGCGCCGAGGACGACGAG
GACGACGAGGACGAGGACGACGAGGAGGCTGGCCCTGACCAGCTGCCCTCGGGGATGGGACGTCAGGAG
AAGACGCAGAACGAGCCCCCACCTGATGGGCAGTGGGGCAGTCAGCTCCTGGCGGGCAGCTGCAGGA
TTTCTGGAAGAAGTCCCGAACACCTTGGCACCCAGCGGCTGCTCTTGAAGTGACCAGCGCTAACGTT
GTCAAGGACCCGCCCTCCAAGTACGTGACAAACCTCAGCTCTACACCCTCGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219040 representing NM_001042633
Red=Cloning site Green=Tags(s)

MHRGTQEGAMASRLHLRHLRHALAGDGPGEAAASPEAEQFPESSELEDDDAEGLSSRLSGTLSFTSAEDDE
DDEDEDDEEAGPDQLPLGDGTSGEDAERSPPPDGQWGSQLLARQLQDFWKKSRNTLAPQRLLEFVTSANV
VKDPPSKYVTNLSSTPSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online >](#)

Cloning Scheme:


ACCN: NM_001042633

ORF Size: 474 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_001042633.3](#)

RefSeq Size: 3184 bp

RefSeq ORF: 477 bp

Locus ID: 90203

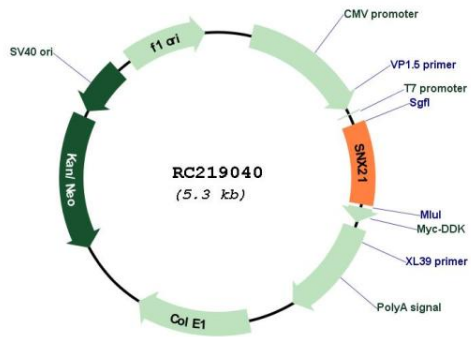
Cytogenetics: 20q13.12

Protein Families: Druggable Genome

MW: 16.8 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 RC219040