

Product datasheet for **RC200906**

SNX11 (NM_152244) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX11 (NM_152244) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNX11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200906 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTTTTGGTGTAGGATGTCGGAGAACCAAGAACAGGAGGAGGTGATTACAGTGCCTGTTTCAGGACC
CCCGAGTGCAGAAATGAGGGCTCCTGGAACCTTTATGTGGATTATAAGATATTCCTCCATACCAACAGCAA
AGCCTTTACTGCCAAGACTTCCTGTGTGCGGCGCCGCTACCGTGAGTTCGTGTGGCTGAGAAAGCAGCTA
CAGAGAAATGCTGGTTTGGTGCCTGTTCTGAACCTCCTGGGAAGTCAACCTTCTCGGCACCTCAGATG
AGTTCATTGAGAAGCGACGACAAGGTCTGCAGCACTTCCTTGAAAAGTCTGCAGAGTGTGGTTCTCCT
GTCAGACAGCCAGTTGCACCTATTCTGCAAAGCCAGCTCTCGGTGCCTGAGATAGAAGCCTGTGTCCAG
GGCCGAAGTACCATGACTGTGTCTGATGCCATTCTTCGATATGCTATGTCAAAGTGTGGCTGGGCCAGG
AAGAGAGGCAGAGCTCTTCTCACCTGGCTAAAGGAGACCAGCCTAAGAGTTGCTGCTTTCTTCCAAGATC
GGGTAGGAGGAGCTCTCCTCACCGCCTCCAGTGAAGAAAAGGACCATTTAGAAGTGTGGGCTCCAGTT
GTTGACTCTGAGGTTCTTCTTGAAAGTCCCACTCTCCACCCCTCTCCTCACCATTATGCTGTGATT
TTGGAAGACCCAAAGAGGAACCTCCACTCTTCAGTCTGTGAGGAGGGCTGTGGGAGGAGATCATGCTGT
GCCTTTGGACCCTGGTCAGTTAGAAACAGTTTTGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200906 protein sequence
Red=Cloning site Green=Tags(s)

MGFWCRMSENQEVEEIVTRVQDPRVQNEGSWNSYVDYKIFLHTNSKAFTAKTSCVRRRYREFVWLKQQL
QRNAGLVPVPELPGKSTFFGTSDFEIEKRRQGLQHFLEKVLQSVLLSDSQLHLFLQSQLSVPEIEACVQ
GRSTMTVSDAILRYAMSNCGWAQEERQSSSHLAKGDQPKSCCFLPRSGRRSSPSPPPSEEDHLEVWAPV
VDSEVPSLESPTLPPLSSPLCCDFGRPKEGSTLQSVRRRAVGGDHAVPLDPGOLETVLEK

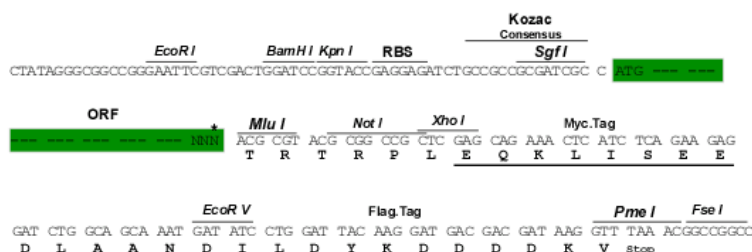
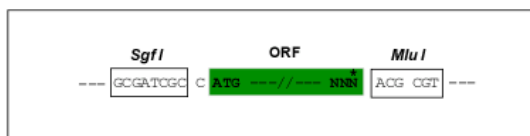
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6401_b12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 152244

ORF Size: 810 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_152244.1](#), [NP_689450.1](#)

RefSeq Size: 2402 bp

RefSeq ORF: 813 bp

Locus ID: 29916

UniProt ID: [Q9Y5W9](#)

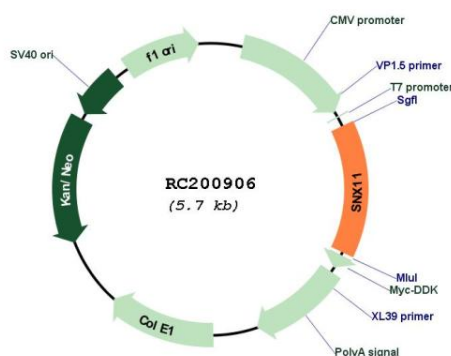
Cytogenetics: 17q21.32

Domains: PX

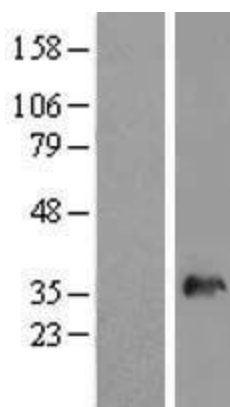
MW: 30.4 kDa

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. This gene encodes a protein of unknown function. This gene results in two transcript variants differing in the 5' UTR, but encoding the same protein. [provided by RefSeq, Jul 2008]

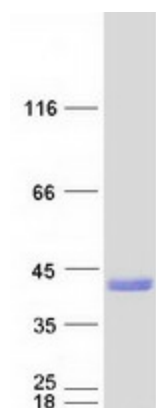
Product images:



Circular map for RC200906



Western blot validation of overexpression lysate (Cat# [LY407675]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200906 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX11 protein (Cat# [TP300906]). The protein was produced from HEK293T cells transfected with SNX11 cDNA clone (Cat# RC200906) using MegaTran 2.0 (Cat# [TT210002]).