

Product datasheet for **RC219205**

SNX18 (NM_001102575) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | SNX18 (NM_001102575) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SNX18 |
| Synonyms: | SH3PX2; SH3PXD3B; SNAG1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC219205 representing NM_001102575
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTGCGCGCCCGGGCGCTGTACGACTTCAGGTTCGAGAGAACCAGGAGAGATCTCGTGCAGAGAC
 ACGAGGTGCTGAGCCTGTGCAGCGAGCAGGACATCGAGGGCTGGCTCGAGGGGGTCAACAGCCCGCGCGA
 CCGCGGCCTCTCCCGGCCTCTATGTGACAGTATCCGCGCCCCGAGCCTGGCCCGCGGGAGACGGC
 GGCCCGGGCGCCCGGCCGCTACGCCAATGTGCCCCCGGGGGCTTCGAGCCCTGCCCGTGCGCCCC
 CCGCCTCTTCAAGCCGCGCCTGACGCCTCCAGGGCTGTGCAGCCACAGCAGGCGCCGCTCCGAG
 CACCTTCCAGCCCGCGCGGGCTTCCCGTACGGCGGGGGCGCCCTGCAGCCGTCGCCTCAGCAGCTC
 TACGGCGCTACCAGGCCAGCAAGGCAGCGATGATGACTGGGACGACGAGTGGGACGACAGCTCCACGG
 TGGCGGACGAGCCGGCGCTCTGGCAGCGGAGCATACCCGACCTCGACGGCTCGTCTTCGGCGGGTGT
 GGGCGCAGCCGGCGCTACCGCCTGTCCACGCGCTCCGACCTGTCCCTGGGCTCCCGCGGGCTCGGTC
 CCCCCGACACCACCCGTCGGGGCCCAAGAGCTCGGCCACCGTACCGCCCAACCTCAATCGCTTCCCA
 CCTTCGTCAGTCCGGCGGGGAGGCCTTCGTGCTGGGGGAGGCGTCAGGCTTCGTGAAGGACGGGACAA
 GCTGTGCGTGGTCTGGGGCCCTATGGCCCCGAGTGGCAGGAGAACCCTACCCGTTCCAGTGCACCATC
 GACGACCCACCAAGCAGACCAAGTTCAAGGGCATGAAGAGTACATCTCCTACAAGTGGTGCCACGC
 ACACGCAGGTGCCGGTGCATCGCGCTACAAGCACTTCGACTGGCTGTACGCGCGCTGGCGGAGAAGTT
 CCCGGTCATCTCCGTGCCACCTGCCGAGAAGCAGGCCACCGGCCGCTTCGAGGAGGACTTATCTCT
 AAGCGCAGGAAGGCCTGATCTGGTGGATGAACCACATGGCCAGCACCCAGTGTGGCGCAGTGCAGC
 TCTTCCGCACTTCTGACGTGCCCGCAGCAGCCGAGAGAAAGCCTGGAAGCAGGGCAAGAGGAAGGC
 CGAGAAGGACGAGATGGTGGCGCCAACCTTCTCCTGACCTTAGCACGCCCCCGCGCTGCCCTTGAC
 CTGCAGGAGTGGAGAGCAAGATCGACGCTTCAAGTGTTCACCAAGAAGATGGACGACAGCGCGTGC
 AGCTCAACCACACGGCCAACGAGTTCGCGCGCAAGCAGGTGACCGGCTTCAAAAAGGAGTATCAGAAGGT
 GGGCCAGTCTTCCGCGGCCTCAGCCAGGCCTTTGAGCTGGACCAGCAGGCCTTTCGGTGGGCCTGAAC
 CAGGCTATCGCCTTACCAGGATGCCTATGACGCCATTGGCGAGCTTTCGCGGAGCAGCCAGGCAGG
 ACCTGGATCCCGTCATGGACCTATTAGCGCTGTATCAGGGCATCTGGCTAACTCCCGGACATCATCCA
 CGTTCAGAAAGGAGCTTACCAAGTCAAGGAGTAGGCGACAGTGGAGGAAGGAAGATGGAGGTG
 CAGAAGGCTGACGCATTAGGATCGCTGTAACACTATTTCTTTTCCACTTTGGCTGAAATTCACCACT
 TCCATCAAATTCGAGTGAGAGACTTTAAATCACAGATGCAGCATTCTTACAACAACAAATAATATTTTT
 CAAAAAGTTACCCAGAAGTTGAAGAAGCTTTCACAAATATGATAGTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219205 representing NM_001102575
 Red=Cloning site Green=Tags(s)

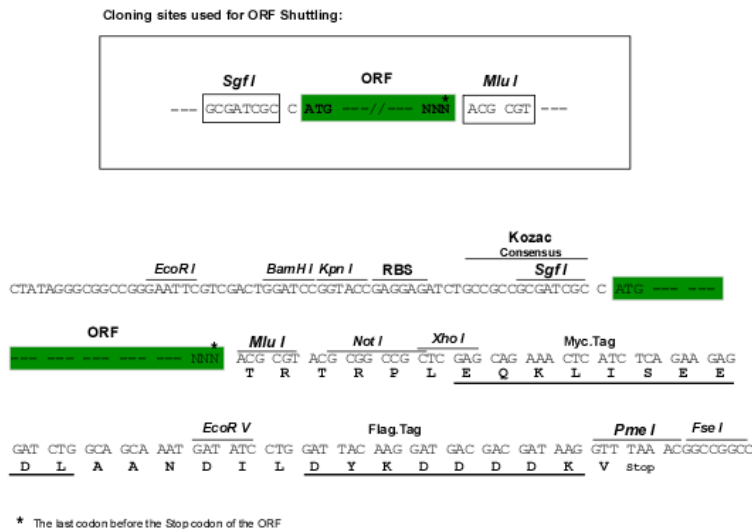
MALRARALYDFRSENPGEISLREHEVLSLCSSEQDIEGWLEGVNSRGRGLFPASYVQVIRAPEPGPAGDG
 GPGAPARYANVPPGGFEPLPVAPPASFKPPDAFQALLQPQQAPPSTFQPPGAGFPYGGALQPSQQ
 YGGYQASQGSDDDDWDEWDSSTVADEPGALGSGAYPDLGSSSAGVGAAGRYRLSTRSDLSLGSRGGSV
 PPQHHPSPGPKSSATVSRNLRNFSTFKVSGGEAFVLGEASGFVKDGDKLCVVLGPYGPWEQENPYPFQCTI
 DDPTKQTKFKGMKSYISYKLVPTHTQVPVHRRYKHFDFWLYARLAEKFPVIVSIVPHLPEKQATGRFEEDFIS
 KRRKGLIWMNMHMASHPVLAQCDFVQHFLTCPSSSTDEKAWKQGRKAKEKDEMVGANFFLTLSTPPAAALD
 LQEVESKIDGFKCFTKMDSDLSALQLNHTANEFARKQVTGFKKEYQKVGQSFRLSQAFELDQAFVSVGLN
 QAIIFTGDAYDAIGELFAEQPRQDLDPVMDLLALYQGHLANFPDIIHVQKALTKVKESRRHVEEGKMEV
 QKADGIQDRCNTISFATLAEIHHFHQIRVRDFKSMQHFLLQQQIIFVQKVTQKLEALHKYDSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4028_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001102575

ORF Size: 1872 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_001102575.1](#), [NP_001096045.1](#)

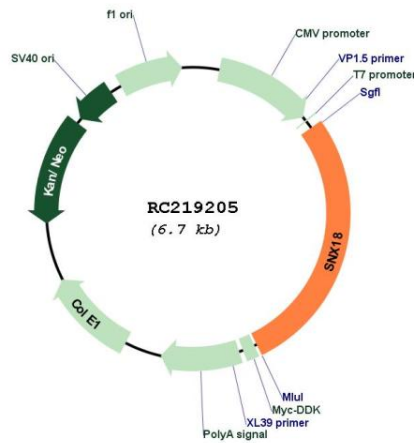
RefSeq Size: 5238 bp

RefSeq ORF: 1875 bp

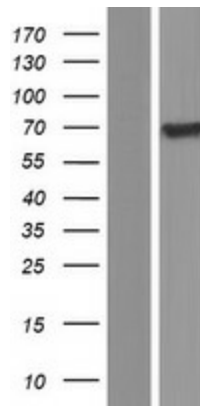
Locus ID: 112574
UniProt ID: [Q96RF0](#)
Cytogenetics: 5q11.2
MW: 68.8 kDa

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, but contains a SH3 domain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

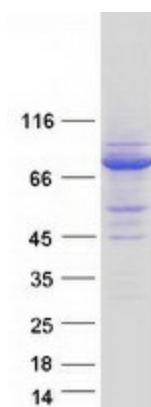
Product images:



Circular map for RC219205



Western blot validation of overexpression lysate (Cat# [LY420160]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219205 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX18 protein (Cat# [TP319205]). The protein was produced from HEK293T cells transfected with SNX18 cDNA clone (Cat# RC219205) using MegaTran 2.0 (Cat# [TT210002]).