

Product datasheet for **RC219150**

SNX18 (NM_052870) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX18 (NM_052870) 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)



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ORF Nucleotide Sequence:

>RC219150 representing NM_052870
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTGCGCGCCCGGGCGCTGTACGACTTCAGGTCGGAGAACCAGGAGAGATCTCGTGCAGAGC
 ACGAGGTGCTGAGCCTGTGCAGCGAGCAGGACATCGAGGGCTGGCTCGAGGGGGTCAACAGCCGCGGCGA
 CCGCGGCCTCTCCCGGCCTCTATGTGACGGTATCCGCGCCCCGAGCCTGGCCCGGGGAGACGGC
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 ACGCCTGGGTCTTTCCCTAGAGTGTACGTTGGATTGCTCGACAGGCAGCTTCTCCTCGAGTATCTTGC
 ATTAGGAATGAGTACTTCTTCTCGAAGGTTCAAAGAGTACCTTTGATGACAGTGTATCATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219150 representing NM_052870
 Red=Cloning site Green=Tags(s)

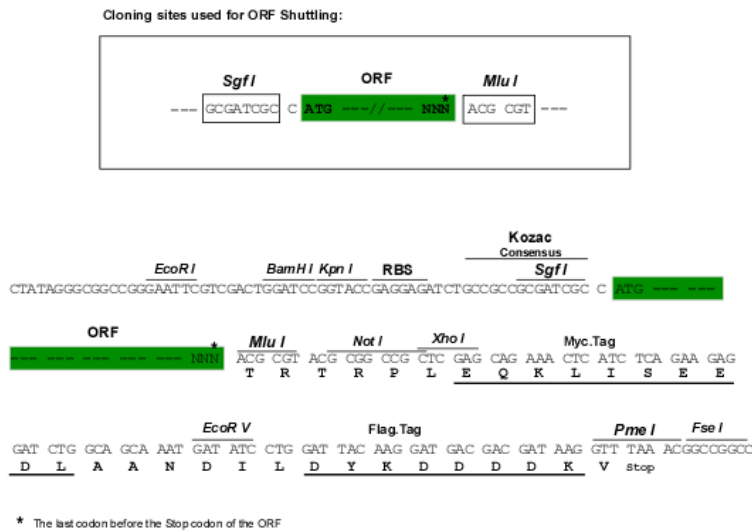
MALRARALYDFRSENPGEISLREHEVLSLCSEQDIEGWLEGVNSRGRGLFPASYVQVIRAPEPGPAGDG
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 LQEVESKIDGFKCFTKMDSDSALQLNHTANEFARKQVTGFKKEYQKVGQSFRLSQAFELDQAFVSVGLN
 QAIIFTGDAYDAIGELFAEQPRQDLDPVMDLLALYQGHLANFPDIHVVQKGAWPLEQVIWSVLCRLKGA
 TLTAVPLVWSESYSTGEEASRDVDVAWVFSLECTLDCSTGSFLLEYLALGNEYFSKVRVPLMTVLSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2469_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052870

ORF Size: 1884 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_052870.3](#)

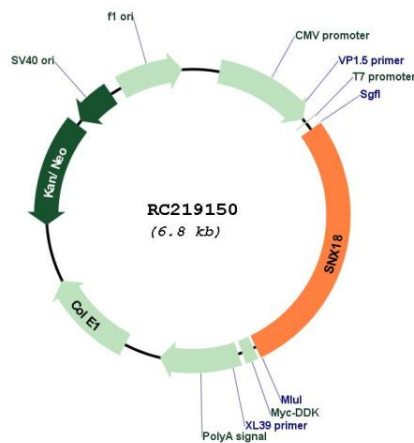
RefSeq Size: 1887 bp

RefSeq ORF: 1887 bp

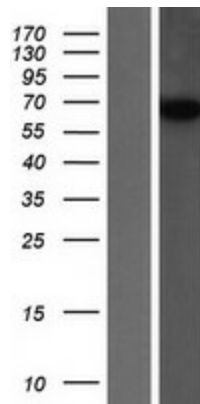
Locus ID: 112574
UniProt ID: [Q96RF0](#)
Cytogenetics: 5q11.2
Domains: SH3, PX
MW: 68.7 kDa

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 RC219150



Western blot validation of overexpression lysate (Cat# [LY403272]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219150 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).