

Product datasheet for **RG219150**

SNX18 (NM_052870) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX18 (NM_052870) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNX18
Synonyms:	SH3PX2; SH3PXD3B; SNAG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219150 representing NM_052870
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTGCGCGCCCGGGCGCTGTACGACTTCAGGTCGGAGAACCAGGAGAGATCTCGTGCAGAGC
 ACGAGGTGCTGAGCCTGTGCAGCGAGCAGGACATCGAGGGCTGGCTCGAGGGGGTCAACAGCCGCGGCGA
 CCGCGGCCTCTCCCGGCCTCTATGTGACGGTATCCGCGCCCCGAGCCTGGCCCGCGGGAGACGGC
 GGCCCGGGCGCCCGGCCGCTACGCCAATGTGCCCCCGGGGGCTTCGAGCCCTGCCCGTGCGCCCC
 CCGCCTCTTCAAGCCGCGCCTGACGCCTCCAGGGCTGTGCAGCCACAGCAGGCGCCGCTCCGAG
 CACCTTCCAGCCGCCCGCGGGCTTCCCGTACGGCGGGGGCGCCCTGCAGCCGTGCCTCAGCAGCTC
 TACGGCGCTACCAGGCCAGCAAGGCAGCGATGATGACTGGGACGACGAGTGGGACGACAGCTCCACGG
 TGGCGGACGAGCCGGCGCTCTGGCAGCGGAGCATACCCGACCTCGACGGCTCGTCTTCGGCGGGTGT
 GGGCGCAGCCGGCGCTACCGCCTGTCCACGCGCTCCGACCTGTCCCTGGGCTCCCGCGGGCTCGGTC
 CCCCCGACACCACCCGTCGGGGCCCAAGAGCTCGGCCACCGTACCGCCCAACCTCAATCGCTTCCCA
 CCTTCGTCAGTCCGGCGGGGAGGCCTTCGTGCTGGGGGAGGCGTCAGGCTTCGTGAAGGACGGGACAA
 GCTGTGCGTGGTCTGGGGCCCTATGGCCCCGAGTGGCAGGAGAACCCTACCCGTTCCAGTGCACCATC
 GACGACCCACCAAGCAGACCAAGTTCAAGGGCATGAAGAGTACATCTCTACAAGCTGGTGCCACGC
 ACACGCAGGTGCCGGTGCATCGGCGCTACAAGCACTTCGACTGGCTGTACGCGCGCTGGCGGAGAAGTT
 CCCGGTCATCTCCGTGCCACCTGCCCGAGAAGCAGGCCACCGCCGCTTCGAGGAGGACTTATCTCT
 AAGCGCAGGAAGGCCTGATCTGGTGGATGAACCACATGGCCAGCCACCCAGTGTGGCGCAGTCCGACG
 TCTTCCAGCACTTCTGACGTGCCCGCAGCAGCCGACGAGAAAGCCTGGAAGCAGGGCAAGAGGAAGGC
 CGAGAAGGACGAGATGGTGGGCGCCAACCTTCTCCTGACCTTAGCACGCCCCCGCGCTGCCCTTGAC
 CTGCAGGAGGTGGAGAGCAAGATCGACGCTTCAAGTGTTCACCAAGAAGATGGACGACAGCGCGTGC
 AGCTCAACCACACGGCCAACGAGTTCGCGCGCAAGCAGGTGACCGGCTTCAAAAAGGAGTATCAGAAGGT
 GGGCCAGTCTTCCGCGGCCTCAGCCAGGCCTTTGAGCTGGACCAGCAGGCCTTTCGGTGGCCTGAAC
 CAGGCTATCGCCTTACCAGGAGATGCCTATGACGCCATTGGCGAGCTTTCGCGGAGCAGCCAGGCAGG
 ACCTGGATCCCGTCATGGACCTATTAGCGCTGTATCAGGGCATCTGGCTAACTCCCGGACATCATCCA
 CGTTCAGAAAGGTAAGCCTGGCCCTTAGAGCAGGTGATATGGAGTGTATTGTGCAGGCTGAAAGGGCG
 ACTTTGACAGCAGTACCACTGTGGTTTCAGAATCATATTCTACAGGTGAGGAAGCGAGCAGAGACGTGG
 ACGCCTGGGTCTTTCCCTAGAGTGTACGTTGGATTGCTCGACAGGCAGCTTCTCCTCGAGTATCTTGC
 ATTAGGGAATGAGTACTTCTTCTCGAAGGTTCAAAGAGTACCTTTGATGACAGTGCATCATTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG219150 representing NM_052870
 Red=Cloning site Green=Tags(s)

MALRARALYDFRSENPGEISLREHEVLSLCSEQDIEGWLEGVNSRGRGLFPASYVQVIRAPEPGPAGDG
 GPGAPARYANVPPGGFEPLPVAPPASFKPPDAFQALLQPQQAPPSTFPQPPGAGFPYGGGALQSPQQ
 YGGYQASQGSDDDWDEWDDSSSTVADEPGALGSGAYPDLGSSSAGVGAAGRYRLSTRSDLSLGSRGGSV
 PPQHHPSPGPKSSATVSRNLNRFSTFKSGGEAFVLGEASGFVKDGDKLCVVLGPYGPWQENPYPFQCTI
 DDPTKQTKFKGMKSYISYKLVPTHTQVPVHRRYKHFDFWLYARLAEKFPVIVSVPHLPEKQATGRFEEDFIS
 KRRKGLIWWWNHMASHPVLAQCDFVQHFLTCPSSSTDEKAWKQGRKAEKDEMVGANFFLTLSTPPAAALD
 LQEVESKIDGFKCFTKKMDDLSALQLNHTANEFARKQVTGFKKEYQKVGQSFRLSQAFELDQQAQFVGLN
 QAITAFTGDAYDAIGELFAEQPRQDLDPVMDLLALYQGHLANFPDI.IHVQKGAWPLEQV.IWSVLCRLKGA
 TLTAVPLWSESYSTGEEASRDVDVAWVFSLECTLDCSTGSFLLEYLALGNEYSFSKVQRVPLMTVLSF

TRTRPLE – GFP Tag – V

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_052870.1](#), [NP_443102.1](#)

RefSeq Size: 1887 bp

RefSeq ORF: 1887 bp

Locus ID: 112574

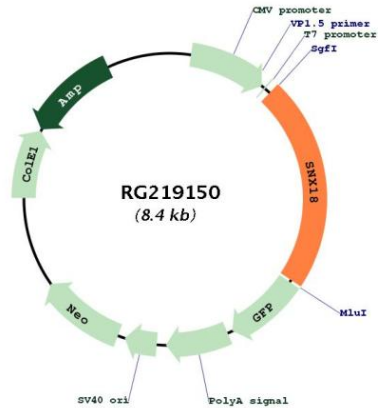
UniProt ID: [Q96RF0](#)

Cytogenetics: 5q11.2

Domains: SH3, PX

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 RG219150