

Product datasheet for **RG227434**

SNX18 (NM_001145427) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX18 (NM_001145427) 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:

>RG227434 representing NM_001145427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCTGCGCGCCCGGGCGCTGTACGACTTCAGGTCGGAGAACCAGGAGAGATCTCGTGCAGAGC
 ACGAGGTGCTGAGCCTGTGCAGCGAGCAGGACATCGAGGGCTGGCTCGAGGGGGTCAACAGCCGCGGCGA
 CCGCGGCCTCTTCCCGCCTCTATGTGACGGTATCCGCGCCCCGAGCCTGGCCCGCGGGAGACGGC
 GGCCCGGGCGCCCGGCCGCTACGCCAATGTGCCCCCGGGGGCTTCGAGCCCTGCCTGTGCGCCCC
 CCGCCTCTTCAAGCCGCGCCTGACGCCTCCAGGGCTGTGCAGCCACAGCAGGCGCCGCTCCGAG
 CACCTTCCAGCCCGCGCGGGCTTCCCGTACGGCGGGGGCGCCCTGCAGCCGTCGCTCAGCAGCTC
 TACGGCGCTACCAGGCCAGCAAGGCAGCGATGATGACTGGGACGACGAGTGGGACGACAGCTCCACGG
 TGGCGGACGAGCCGGCGCTCTGGCAGCGGAGCATACCCGACCTCGACGGCTCGTCTTCGGCGGGTGT
 GGGCGCAGCCGGCGCTACCGCCTGTCCACGCGCTCCGACCTGTCCCTGGTTCCCGCGGGCGCTCGGT
 CCCCCGACGACCACCGTCGGGGCCCAAGAGCTCGGCCACCGTAGCCGCAACCTCAATCGCTTCTCCA
 CCTTCGTC AAGTCCGGCGGGGAGGCCTTCGTGCTGGGGGAGGCGTCAGGCTTCGTGAAGGACGGGACAA
 GCTGTGCGTGGTCTGGGGCCCTATGGCCCCGAGTGGCAGGAGAACCCTACCCGTTCCAGTGCACCATC
 GACGACCCACCAAGCAGACCAAGTTCAAGGGCATGAAGAGTACATCTCCTACAAGTGGTGCCACGC
 ACACGCAGGTGCCGGTGCATCGGCGCTACAAGCACTTCGACTGGCTGTACGCGCGCTGGCGGAGAAGTT
 CCCGGTCATCTCCGTGCCACCTGCCGAGAAGCAGGCCACCGCCGCTTCGAGGAGGACTTATCTCT
 AAGCGCAGGAAGGCCTGATCTGGTGGATGAACCACATGGCCAGCACCCAGTGTGGCGCAGTGGCAGC
 TCTTCCAGCACTTCTGACGTGCCCGCAGCAGCCGAGAGAAAGCCTGGAAGCAGGGCAAGAGGAAGGC
 CGAGAAGGACGAGATGGTGGGCGCCAACCTTCTTCTGACCTTAGCACGCCCCCGCGCTGCCCTTGAC
 CTG CAGGAGGTGGAGAGCAAGATCGACGCTTCAAGTGTTCACCAAGAAGATGGACGACAGCGCGTGC
 AGCTCAACCACACGGCCAACGAGTTCGCGCGCAAGCAGGTGACCGGCTTCAAAAAGGAGTATCAGAAGGT
 GGGCCAGTCTTCCGCGGCTCAGCCAGGCCTTTGAGCTGGACCAGCAGGCTTTCGGTGGGCCTGAAC
 CAGGCTATCGCCTTACCAGGAGATGCCTATGACGCCATTGGCGAGCTTTCGCGGAGCAGCCAGGCAGG
 ACCTGGATCCCGTCATGGACCTATTAGCGCTGTATCAGGGCATCTGGCTAACTCCCGGACATCATCCA
 CGTTCAGAAAGGTAAGCCTGGCCCTTAGAGCAGGTGATATGGAGTGTATTGTGCAGGCTGAAAGGGCG
 ACTTTGACAGCAGTACCACTGTGGTTTCAAGAATCATATTCTACAGGTGAGGAAGCGAGCAGAGACGTGG
 ACGCCTGGGTCTTTCCCTAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227434 representing NM_001145427
 Red=Cloning site Green=Tags(s)

MALRARALYDFRSENPEIISLREHEVL SLCSEQDIEGWLEGVNSRGRGLFPASYVQVIRAPEPGPAGDG
 GPGAPARYANVPPGGFEPLPVAPPASFKPPDAFQALLQPQQAPPSTFQPPGAGFPYGGALQSPQQQL
 YGGYQASQGSDDDWDEWDSSTVADEPGALGSGAYPDLGSSSAGVGAAGRYRLSTRSDLSLGSRGGSV
 PPQHHPSPGPKSSATVSRNLNRFSTFKVSGGEAFVLGEASGFVKDGDKLCVVLGPYGPWQENPYPFQCTI
 DDPTKQTKFKGMKSYISYKLVPTHTQVPVHRRYKHFDWLYARLAEKFPVIVSHPLEKQATGRFEEDFIS
 KRRKGLIWWWNHMASHPVL AQCDVFQHFLTCPSSTDEKAWKQGRKAEMVGNFFLTLSTPPAAALD
 LQEVESKIDGFKCFKKMDSALQLNHTANEFARKQVTGFKKEYQKVGQSFRLSQAFELDQQAF SVGLN
 QAI AFTGDAYDAIGELFAEQPRQDLDPVMDLLALYQGHLANFPDI IHVQKGAWPLEQVIWSVLCRLKGA
 TL TAVPLWVSESYSTGEEASRDVDAWVFSLE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001145427

ORF Size: 1773 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_001145427.2](#)

RefSeq Size: 5382 bp

RefSeq ORF: 1776 bp

Locus ID: 112574

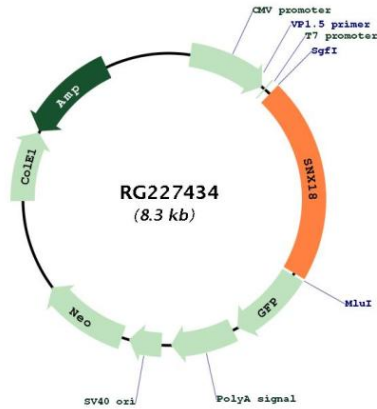
UniProt ID: [Q96RF0](#)

Cytogenetics: 5q11.2

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 RG227434