

Product datasheet for **RG234157**

SNX17 (NM_001267059) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX17 (NM_001267059) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNX17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234157 representing NM_001267059 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTTTTCCATTCCCGAAACCGAGTCCCGCAGCGGGACAGCGGGCTCCGCCTACGTGGCCTATA
ACATTCACGTGAATGGAGTCCTGCACTGTCGGCTTCGGAAGGAGTATGGGGCCAATGTGCTTCCTGCATT
CCCCCAAAGAAGCTTTTCTCTGACTCCTGCTGAGGTAGAACAGAGGAGAGAGCAGTTAGAGAAGTAC
ATGCAAGCTGTTTCGCAAGACCCATTGCTTGGGAGCAGCGAGACTTTCAACAGTTTCTGCGTCGGGCAC
AACAGGAGACACAGCAGGTCCCCACAGGAAGTGTCTTGGAAAGTGTCTCAGCAACGGGCAGAAAAGT
TCTGGTCAACGTGCTAACTTCAGATCAGACTGAGGATGTCTGGAGGCTGTAGCTGCAAAGCTGGATCTT
CCAGATGACTTGATTGGATACTTTAGTCTATTCTTAGTTCGAGAAAAAGAGGATGGAGCCTTTTCTTTTG
TACGGAAGTTGCAAGAGTTTGGAGCTGCCTATGTGTCTGTACCAGCCTTCGGAGTCAAGAGTATAAGAT
TGTGCTAAGGAAGAGTTATTGGGACTCTGCCTATGATGACGATGTCATGGAGAACCAGGTTGGCCTGAAC
CTGCTTTATGCTCAGACGGTATCAGATATTGAGCGTGGTGGATCTTGGTCACCAAGGAACAGCACCGGC
AACTCAAATCTCTGCAAGAGAAAGTCTCCAAGAAGGAGTCTCTGAGACTGGCCAGACGCTCGGCGACTA
TGGCTACTTGCCTTTGATGCCTGTGTGGCTGACTTCCAGAAAAGGACTGTCTGTGGTGGTGGAGCGG
GGCAACAGTGAGCTCAGCCTGCAGCTCCGCTGCCTGGCCAGCAACTCCGAGAAGGCTCCTCCGGGTCA
CCCGCATGCGATGCTGGCGGGTCACTCCTCTGTACCATTGCCAGTGGAAAGCACGAGCAGCCAGGCCG
GGCCCGGGGTGAGGTGCGCTGGAAGTGGCTTTTGAATACCTCATGAGCAAGGACCGGCTACAGTGGGT
ACCATCACTAGCCCCAGGCTATCATGATGAGCATCTGCTTGCAGTCCATGGTTGATGAAGTATGGTGA
AGAAATCTGGCGGCAGTATCAGGAAGATGTCTGCGCCGGCGGGTGGGGGACTCTGAGACGCTCAGACAG
CCAGCAAGCAGTGAAGTCCCCACCACTGCTTGAAGTACCTGATGCCACCCGGGAGTCTATGGTCAAATC
TCAAGTAAAGCTGAGTCCCGTGGCTTGGCGGGAATTGGCAGTCCCAGCACAGATGCCAGTCCAGTATG
TCCACGGCAATTCGCCTTCAGGGCATTGGAGATGAGGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234157 representing NM_001267059
Red=Cloning site Green=Tags(s)

MHFSIPETESRSGDSGGSAYVAYNIHVNGVLHCRLRKEYGANVLPAPPPKKLFSLTPAEVEQRRELEKY
 MQAVRQDPLLGSSETFNSFLRRAQQETQQVPTTEVSLEVL SNGQKVLVNVLTSDQTEDVLEAVAAKLDL
 PDDLIGYFSLFLVREKEDGAFSFVRKLQEFELPYVSVTSLRSQYKIVLRKSYWDSAYDDVMMENRVGLN
 LLYAQTVSDIERGWILVTKEQHRQLKSLQEKVSKFEFLRLAQTLRHYGYLRFDACVADFPEKDCPVVVSA
 GNSELSLQLRLPGQQLREGSFRVTRMRCWRVTSSVPLPSGSTSSPGRGRGEVRLLELA FEYLM SKDRLQWV
 TITSPQAIMMSICLQSMVDELMVKSGGSIRKMLRRRVGGTLRRSDSQAVKSPPLLESPDATRESMVKL
 SSKLSAVSLRIGSPSTDASASDVHGNFAFEGIGDEDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001267059

ORF Size: 1374 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_001267059.2](#)

RefSeq Size: 2439 bp

RefSeq ORF: 1377 bp

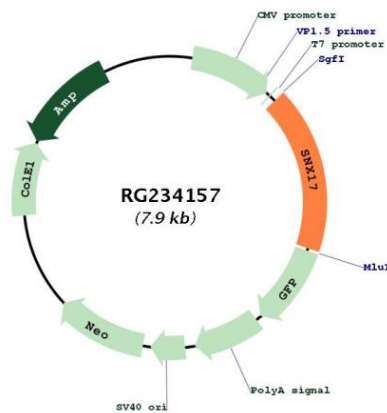
Locus ID: 9784

Cytogenetics: 2p23.3

Protein Families: Druggable Genome

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 B41 domain. This protein interacts with the cytoplasmic domain of P-selectin, and may function in the intracellular trafficking of P-selectin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2012]

Product images:



Circular map for RG234157