

Product datasheet for **RG216565**

SNX16 (NM_022133) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNX16 (NM_022133) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SNX16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG216565 representing NM_022133
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAACTCCTTATGTCCCAGTTCCTATGCCCATAGGAACTCTGCTTCCAGTTTTACAACAACAGAA
 ATCAAAGAAGTCTTCTTTTGGCAGTGTCTCAACAAGCTCAAATCTTCTAAGGGCCAGTTAGAAGACTC
 AAATATGGGTAATTTTAAACAGACAAGTGTTCCTGATCAAATGGATAATACTTCATCTGTCTGTAGCAGT
 CCCCTCATTAGGACTAAATTTACAGGTACAGTTCCTCCATTGAGTATTCTACTAGACCAAGAGACTG
 AAGAACAAAATCCGGAACAGTGAATTGGGAAGATAGACCATCTACACCTACTATACTGGGTTATGAAGT
 GATGGAAGAAAGAGCTAAATTTACTGTATATAAAATACTAGTAAAGAAAACCCAGAAAGAAAGCTGGGTA
 GTTTTCAGAAGATACACTGACTTCTCTAGGCTTAATGACAAATTAAGAGATGTTTCCAGTGTTCGAC
 TAGCACTTCTCCAAAACGCTGGTTTAAAGATAATTACAATGCTGACTTTTTAGAAGACAGACAATTAGG
 ATTACAAGCGTTTCTTAAAATTTAGTAGCTCACAAGGACATTGCTAACTGCCTTGCACTGAGAGAATTT
 CTTTGTGGATGATCCACCGGTCCATTTGATAGCCTAGAAGAAAGCAGGGCATTCTGTGAACTTTAG
 AAGAGACAACTACCGCTTACAGAAAGAACTACTTGA AAAACAAAAGGAGATGGAATCACTAAAGAACT
 GCTCAGTGAGAAGCAACTTCATATAGACACTTTAGAGAACAGAATCAGAACATTGCTTTAGAACCTGAA
 GAATCACTGGATGTGTCAGAAACAGAAGGTGAACAGATCCTAAAGGTGGAGTCTCTGCCTTGAGGTTG
 ATCAAGATGTCTGGATGAAGAATCTAGAGCTGATAATAAACCATGCTTAAGTTTTAGTGAACCTGAAAA
 TGCTGTATCAGAGATAGAAGTAGCAGAAGTGGCATATGATGCTGAAGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216565 representing NM_022133
Red=Cloning site Green=Tags(s)

MATPYVPVMPPIGNSASSFTTNRNQRSSSFSGSVSTSSNSKQLEDNMGNFKQTSVPDQMDNTSSVCS
 PLIRTKFTGTASSIEYSTRPRDTEEQNPEVNWEDRPSTPTILGYEVMEERAKFTVYKILVKKTPEESWV
 VFRRYTDF SRLNDKLEMFPGFRLALPPKRWFKDYNADFLEDRLGLQAF LQNLVAHKDIANCLAVREF
 LCLDDPPGPFDSLEESRAFCETLEETNYRLQKELLEKQKEMESLKKLLSEKQLHIDTLENRIRTLSEPE
 ESLDVSETEGEQILKVESSALEVDQDVLDEESRADNKPCLSFSEPENAVSEIEVAEVAYDAEED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022133

ORF Size: 1032 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_022133.3](#)

RefSeq Size: 3308 bp

RefSeq ORF: 1035 bp

Locus ID: 64089

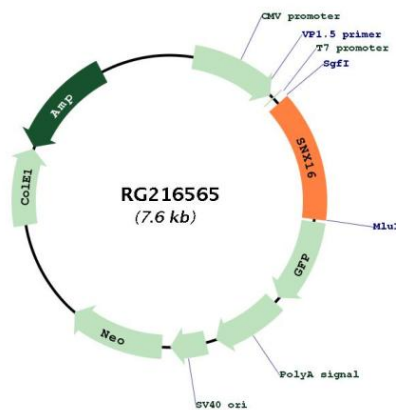
UniProt ID: [P57768](#)

Cytogenetics: 8q21.13

Domains: 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. The protein encoded by this gene associates with late endosome membranes as is involved in tubule formation, cholesterol transport, and transport of tetraspanin CD81. The encoded protein also inhibits cell migration and tumorigenesis. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG216565