

Product datasheet for **RG235648**

SNX3 (NM_001300928) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNX3 (NM_001300928) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SNX3
Synonyms: Grd19; MCOPS8; SDP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235648 representing NM_001300928.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGAGACCGTGGCTGACACCCGGCGGCTGATCACCAAGCCGAGAACCTGAATGACGCCTACGGA
CCCCCAGCAACTTCTCGAGATCGATGTGAGCAACCCGAAACGGTGGGGGTGGCCGGGGCCGCTTC
ACCACTTACGAAATCAGGGTCAAGACAAATCTTCTATTTTCAAGCTGAAAGAATCTACTGTTAGAAGA
AGATACAGTGACTTTGAATGGCTGCGAAGTGAATTAGAAAGAGAGAGCAAGGGTCGCTGGTCATCTCT
GGCACAGAACGAACGTTGTCTTCACATGTTTTTACAAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235648
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MAETVADTRRLITKPQNLNDAYGPPSNFLEIDVSNPQTVGVGRFRFTTYEIRVKTNLPIFKLKESTVRR
RYSDFEWLRELERESKGRWSSSGTERTLSSHVFTR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001300928

ORF Size: 315 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).

RefSeq: [NM_001300928.2](#)

RefSeq Size: 1652 bp

RefSeq ORF: 318 bp

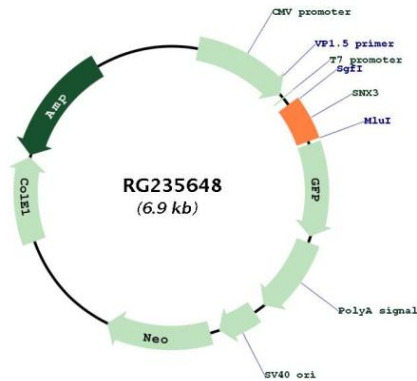
Locus ID: 8724

Cytogenetics: 6q21

MW: 12.6 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 most family members. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. A pseudogene of this gene is present on the sex chromosomes. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]

Product images:

Circular map for RG235648