

## Product datasheet for **RG231911**

### SNX12 (NM\_001256185) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNX12 (NM\_001256185) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SNX12  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231911 representing NM\_001256185  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGACACGGCAGTAGCTGATACCCGGCGCCTTAACCTGAAGCCGCAGGACCTGACCGACGCTTACG  
 GGCCGCCAAGTAACTTCTGGAGATCGACATCTTAACTCCTCAGACGGTGGGCGTGGGACGCGCGCTT  
 CACCACCTATGAGGTTTCGCATGCGGACAAACCTACCTATCTTCAAGCTAAAGGAGTCTGCGTACGGCGG  
 CGCTACAGTGACTTTGAGTGGCTGAAAAATGAGCTGGAGAGAGATAGCAAGATTGTAGTACCACCACCTGC  
 CTGGGAAAGCCTTGAAGCGCAGCTCCCTTTCCGAGGAGATGAAGGGATCTTTGAGGAGTCTTTTCATCGA  
 AGAAAGGAGGCAGGGCCTCGAGCAGTTTATTAACAAAATTGCTGGGCACCCACTGGCTCAGAATGAACGC  
 TGCTACACATGTTCTGCAAGAGGAGGAATTGACAGGAACCTACGTCCCGGGAAGGTGCGCCAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231911 representing NM\_001256185  
 Red=Cloning site Green=Tags(s)

MSDTAVADTRRLNSKPQDLTDAYGPPSNFLEIDIFNPQTVGVGRARFTTYEVRMRTNLPKIFLKEKSCVRR  
 RYSDFEWLKNELEKRSKIVVPLPGKALKRQLPFRGDEGIFEESEFIEERRQGLEQFINKIAGHPLAQNER  
 CLHMFLQEEAIDRNYVPGKVRQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

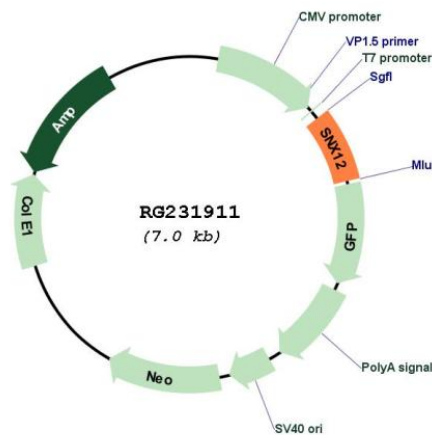


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001256185

ORF Size: 486 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](#)

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001256185.1</a></u> , <u><a href="#">NP_001243114.1</a></u>   |
| <b>RefSeq Size:</b>           | 2440 bp   |
| <b>RefSeq ORF:</b>            | 489 bp  |
| <b>Locus ID:</b>              | 29934   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9UMY4</a></u>   |
| <b>Cytogenetics:</b>          | Xq13.1  |
| <b>Gene Summary:</b>          | 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. A similar protein in mouse may be involved in regulating the neurite outgrowth. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]  |