

## Product datasheet for RC233412

### SNX10 (NM\_001199837) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNX10 (NM\_001199837) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SNX10  
**Synonyms:** OPTB8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233412 representing NM\_001199837  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGCCATTACAGGAATTTGTAAGTGTCTGGGTTTCGAGATCCTAGGATTCAGAAGGAGGACTTCTGGC  
 ATTCTTACATTGACTATGAGATATGTATTCATACTAATAGCATGTGTTTTACAATGAAAACATCCTGTGT  
 ACGAAGAAGATATAGAGAATTCGTGTGGCTGAGGCAGAGACTCCAAGTAATGCGTTGCTGGTACAACCTG  
 CCAGAACTTCCATCTAAAAACCTGTTTTCAACATGAACAATCGCCAGCACGTGGATCAGCGTCGCCAGG  
 GTCTGGAAGATTTCTCAGAAAAGTCTACAGAATGCACTTTTGTCTTCAGATAGCAGCCTTCACCTCTT  
 CTTACAGAGCCATCTGAATTCAGAAGACATTGAGGCGTGTGTTTCTGGCAGACTAAGTACTCTGTGGAA  
 GAAGCAATTCACAAGTTTGCCTTAATGAATAGACGTTTCCCTGAAGAAGATGAAGAAGGAAAAAAGAAA  
 ATGATATAGATTATGATTCAGAAAGTTCATCCTCTGGGCTTGGACACAGTAGTGATGACAGCAGTTCACA  
 TGGATGTAAGTAAATACAGCTCCGCAGGAATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC233412 representing NM\_001199837  
 Red=Cloning site Green=Tags(s)

MMPLQEFVSVVWRDPRIQKEDFWHSYIDYEICIHNSMCFMKTSCVRRRYREFVWLQRLQSNALLVQL  
 PELPSKNLFFNMNRQHVDQRRQGLEDFLRKVLQNALLSDSSLHLFLQSHLNSIEDIACVSGQTKYSVE  
 EAIHKFALMNRFPEDDEEGKENDIDYDSESSSSGLGHSSDDSSSHGCKVNTAPQES

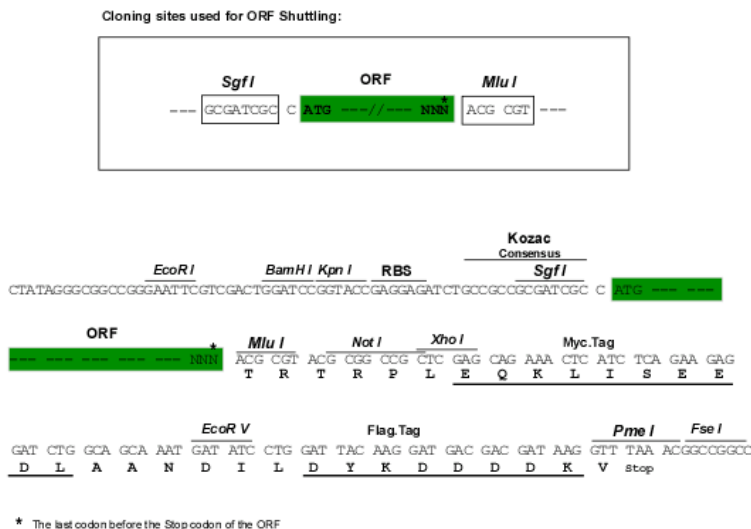
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001199837

ORF Size: 594 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\\_001199837.2](#)

RefSeq Size: 2443 bp

RefSeq ORF: 597 bp

Locus ID: 29887

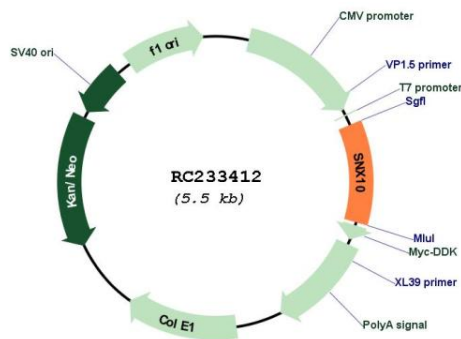
UniProt ID: [Q9Y5X0](#)

**Cytogenetics:** 7p15.2

**MW:** 23.6 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 some family members. This gene may play a role in regulating endosome homeostasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

**Product images:**



Circular map for RC233412