

Product datasheet for RC231895

SNX12 (NM_001256188) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNX12 (NM_001256188) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SNX12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231895 representing NM_001256188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCCGACACGGCAGTAGCTGATACCCGGCGCCTTAAGCTGAAGCCGCAGGACCTGACCGACGCTTACG
 GGCCGCCAAGTAACTTCTGGAGATCGACATCTTAACTCCTCAGACGGTGGGCGTGGGACGCGCGCCTT
 CACCACCTATGAGACAAACCTACCTATCTTCAAGCTAAAGGAGTCTGCGTACGGCGGCGCTACAGTGAC
 TTTGAGTGGCTGAAAAATGAGCTGGAGAGAGATAGCAAGATTGTAGTACCACCACTGCCTGGGAAAGCCT
 TGAAGCGGCAGCTCCCTTTCCGAGGAGATGAAGGGATCTTTGAGGAGTCTTTCATCGAAGAAAGGAGGCA
 GGGCCTCGAGCAGTTTATTAACAAAATTGCTGGGCACCCACTGGCTCAGAATGAACGCTGCCTACACATG
 TTCCTGCAAGAGGAGGCAATTGACAGGAACCTACGTCCCGGGAAGGTGCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231895 representing NM_001256188
 Red=Cloning site Green=Tags(s)

MSDTAVADTRRLNSKPQDLTDAYGPPSNFLEIDIFNPQTVGVGRARFTTYETNLPFKLKESCVRRRYS
 FEWLKNELEKSKIVVPLPGKALKRQLPFRGDEGIFEESEIERRQGLEQFINKIAGHPLAQNERCLHM
 FLQEEAIDRNYVPGKVRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001256188

ORF Size: 474 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_001256188.1](#), [NP_001243117.1](#)

RefSeq Size: 2404 bp

RefSeq ORF: 477 bp

Locus ID: 29934

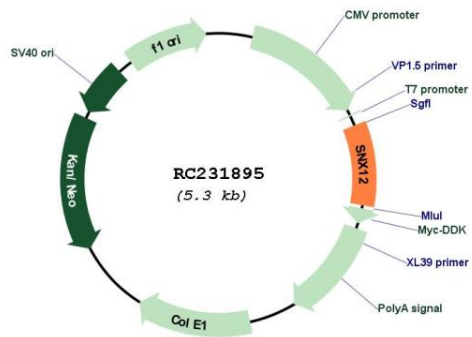
UniProt ID: [Q9UMY4](#)

Cytogenetics: Xq13.1

MW: 18.8 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. 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]

Product images:



Circular map for RC231895