

Product datasheet for RC202354

SNX3 (NM_003795) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX3 (NM_003795) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNX3
Synonyms:	Grd19; MCOPS8; SDP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202354 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGACCGTGGCTGACACCCGGCGGCTGATCACCAAGCCGCAGAACCTGAATGACGCCTACGGAC
CCCCAGCAACTCCTCGAGATCGATGTGAGCAACCCGAAACGGTGGGGTGGCCGGGGCGCTTAC
CACTTACGAAATCAGGGTCAAGACAAATCTTCTATTTTCAAGCTGAAAGAATCTACTGTTAGAAGAAGA
TACAGTGACTTTGAATGGCTGCGAAGTGAATTAGAAAGAGAGAGCAAGGTCGTAGTTCCTCCCGCTCCCTG
GGAAAGCGTTTTTGCCTCAGCTTCTTTTAGAGGAGATGATGGAATATTTGATGACAATTTATTGAGGA
AAGAAAACAAGGCTGGAGCAGTTTATAACAAGGTCGCTGGTCATCCTCTGGCACAAGAACAACGTTGT
CTTCACATGTTTTTACAAGATGAAATAATAGATAAAAGCTATACTCCATCTAAAATAAGACATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202354 protein sequence Red=Cloning site Green=Tags(s)
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MAETVADTRRLITKPQLNDAYGPPSNFLEIDVSNPQTVGVGRGRFTTYEIRVKTNLPIFKLKESTVRRR
YSDFEWLRLSELERESKVVVPLPGKAFLRQLPFRGDDGIFDDNFIEERKQGLEQFINKVAGHPLAQNERC
LHMFLQDEIIDKSYTPSKIRHA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6309_g08.zip
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003795

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](#)

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_003795.6](#)

RefSeq Size: 1777 bp

RefSeq ORF: 489 bp

Locus ID: 8724

UniProt ID: [O60493](#)

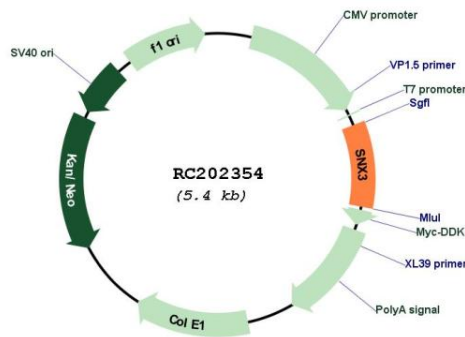
Cytogenetics: 6q21

Domains: PX

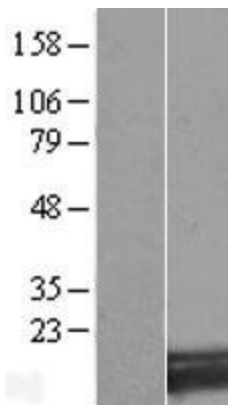
MW: 18.8 kDa

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 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]

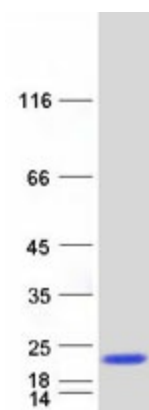
Product images:



Circular map for RC202354



Western blot validation of overexpression lysate (Cat# [LY418430]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202354 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX3 protein (Cat# [TP302354]). The protein was produced from HEK293T cells transfected with SNX3 cDNA clone (Cat# RC202354) using MegaTran 2.0 (Cat# [TT210002]).