

## Product datasheet for RC210773

### SNX5 (NM\_014426) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX5 (NM_014426) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNX5
Synonyms:	FLJ10931
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC210773 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCGCGGTTCCCGAGTTGCTGCAGCAGCAGGAGGAGGACCGCAGCAAGCTGAGATCTGTATCTGTGG  
ACCTGAATGTTGATCCCTCGCTTACAGATTGACATACCTGATGCGCTCAGTGAGAGAGACAAAGTCAAATT  
TACAGTGCACACAAAGACCACACTGCCACGTTTCAGAGCCAGAGTTTTCTGTTACAAGGCAACATGAA  
GACTTTGTGTGGCTACATGACACTCTTATTGAAACAACAGACTATGCTGGGCTTATTATCCACCTGCTC  
CTACGAAGCCCGACTTTGATGGTCTCGAGAGAAGATGCAGAACTGGGAGAAGGTGAAGGGTCTATGAC  
CAAAGAAGAATTTGCCAAGATGAAACAAGAAGCTGGAAGCTGAGTATCTCGCTGTGTTAAGAAGACTGTG  
TCCTCCCATGAAGTCTTCTTCAGCGGCTTCTTCTCACCTGTTCTCAGTAAAGATCGCAACTTTCATG  
TTTTCTGGAATATGATCAGGATCTAAGTGTTAGGCGGAAAAATACTAAAGAGATGTTTGGTGGCTTCTT  
CAAAAGTGTGGTAAAAGTGCTGATGAAGTCCTTTTTACTGGAGTTAAGGAGGTAGATGACTTCTTTGAG  
CAAGAGAAGAACTTCTTATTAACATTAACAATAGGATCAAAGATTCTTGTGTGAAAGCTGACAAAATGA  
CCAGATCTCATAAAAATGTTGCCGATGACTATATCCACACCGCAGCCTGCTTACATAGCCTGGCTTTAGA  
AGAGCCACAGTCATCAAAAAGTACCTATTGAAGGTTGCTGAGCTATTTGAAAACTAAGGAAAAGTAGAG  
GGTCGAGTTTCATCAGATGAAGATTTGAAGCTAACAGAGCTCCTCCGATACTACATGCTCAACATTGAAG  
CTGCTAAGGATCTCTTATACAGACGCACCAAAGCCCTCATTGACTATGAGAACTCAAACAAGCTCTGGA  
TAAGGCCCGGTTAAAGAGCAAAGACGTCAAGTTGGCTGAGGCACACCAGCAGGAGTGCTGCCAGAAATTT  
GAACAACCTTCCGAATCTGCAAAAAGAAGAACTGATAAATTTCAAACGGAAGAGAGTGGCAGCATTAGAA  
AGAATCTAATTGAAATGTCTGAACTGAAATAAAACATGCCAGGAACAATGTCTCCCTTTGCAGAGCTG  
TATTGACTTGTTCAAGAATAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210773 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAVPELLQQEEDRSKLRSVSVDLNVDPSLQIDIPDALSERDKVKFTVHTKTTLPFQSPEFSVTRQHE  
 DFVWLHDTLIETTDYAGLIIPPAPTKPDFDGPREKMQKLGEGEGSMTKEEFKMKQELEAEYLAVFKKTV  
 SSHEVFLQRLSSHPVLSKDRNFHFVLEYPDQLSVRRKNTKEMFGGFFKSVVKSADDEVLFTGVKEVDDFFE  
 QEKNFLINYYNRKIDSCVKADKMTSRSHKNVADDDYIHTAACLHSLALEEPTVIKKYLLKVAELFEKLRKVE  
 GRVSSDEDLKLTELLRYMLNIEAAKDLLYRRTKALIDYENSNKALDKARLKSADVKLAEAHQEQCCQKF  
 EQLSESAKEELINFKRKRVAAFRKNLIEMSELEIKHARNNVSLQSCIDLFKNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

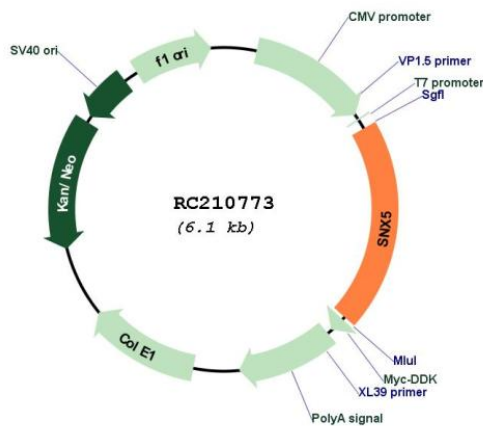
Chromatograms: [https://cdn.origene.com/chromatograms/mk6137\\_d05.zip](https://cdn.origene.com/chromatograms/mk6137_d05.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_014426

ORF Size: 1212 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.

RefSeq: [NM\\_014426.4](#)

RefSeq Size: 2353 bp

RefSeq ORF: 1215 bp

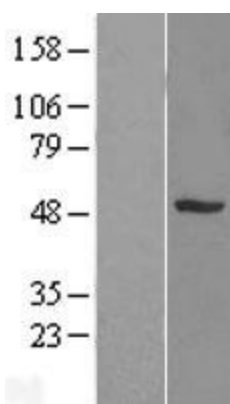
Locus ID: 27131

Domains: PX

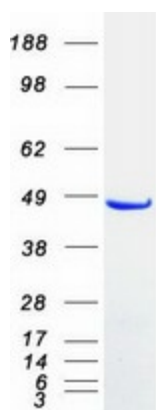
MW: 46.8 kDa

**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 functions in endosomal sorting, the phosphoinositide-signaling pathway, and macropinocytosis. This gene may play a role in the tumorigenesis of papillary thyroid carcinoma. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2013]

## Product images:



Western blot validation of overexpression lysate (Cat# [LY402334]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210773 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNX5 protein (Cat# [TP310773]). The protein was produced from HEK293T cells transfected with SNX5 cDNA clone (Cat# RC210773) using MegaTran 2.0 (Cat# [TT210002]).