

Product datasheet for **RC224829**

SNX30 (NM_001012994) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SNX30
Synonyms:	ATG24A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC224829 representing NM_001012994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGGCGGGCCCCCAAGGCCCTGCCGTCCACGGGGCCCCACTCCCTGCGCGACATGCCGACCCGC
 TGGCCGGCTCCAGCAGCGAGGAGGCCGTGGGTGGTGACAGCACGCCAGCCGACCTGCTGATGGCCCC
 CAGCTTCGGTGACAAGGATCTCATTTGCCCAACGGTGGTACTCCAGCAGGTACTTCAAGTCCAGCTTCT
 TCATCTTCCCTTCTCAACAGACTTCAGCTTGATGATGATATTGATGGTGAGACTAGAGATCTCTTCGTTA
 TAGTTGATGATCCCAAGAAGCATGTGTGTACAATGGAGACTTACATCACCTATAGGATCACCACCAAAAG
 TACTCGGGTGGAGTTTGACCTGCCAGAATATTCTGTTCTCGTGAAGATACCAGGATTTTGACTGGTTGAGG
 AGCAAAGTGAAGAATCCAGCCACTCATCTCATTCCCCCTCTCCCGAGAAGTTTGTGGTAAAAGGTG
 TTGTGGATCGTTTTTCAAGAAGTTTGTGGAGACCAGAAGAAAAGCTTTGGATAAATTTCTAAAAAGAAT
 TACGGACCATCCTGTGCTGCTTTCAATGAACACTTTAATATTTTCTTACTGCTAAGGACCTGAACGCC
 TACAAGAAGCAAGGGATAGCATTGCTGACCAGAATGGGCGAGTCAGTCAAGCACGTCACTGGCGGCTACA
 AGCTGAGGACTCGGCCGCTTGAGTTTGTGCCATAGGTGACTACTTAGATACATTTGCACTCAAAGTGGG
 AACCATTGATCGAATAGCCAGCGGATCATCAAGAAGAAATAGAGTACCTTGTGGAGCTGAGAGAATAC
 GGGCCTGTGTACTCCACATGGAGCGCTTGGAGGGTGAAGTGGCTGAACCCCTGGAGGGTGTGTCAGCTT
 GCATTGGGAAGTCTCTACAGCCTTAGAAGAGCTGACAGATGACATGACAGAAGACTTCTACCTGTGCT
 CAGGGAATATATTTTACTCTGACTCCATGAAGAGTGTATTGAAGAAGAGGGACCAAGTTCAAGCAGAG
 TATGAAGCCAACTGGAAGCTGTGGCTCTGCGGAAGGAAGACCGCCCAAGGTACCGCGGAGCTCGAGA
 AATGTCAGGATCGGATGGAGTGTTCATGCTGACCTGAAAGCTGACATGGAGAGGTGCAGAACACAA
 GAGGCAAGGACTTCCGGCAGCTACTCATGGGGATGGCTGACAAGAATCCAGTATTATGAGAAGTGCCTC
 ATGGCGTGGGAGTCGATTATCCACTACTGCAGGAGAAACAAGAGGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224829 representing NM_001012994
 Red=Cloning site Green=Tags(s)

MAGGPPKALPSTGPHSLRDMPHLAGSSSEEAVGGDSTSPDLLMARSFGDKDLILPNGTTPAGTSSPAS
 SSSLLNRLQLDDDIDGETRDLFVIVDDPKKHVCTMETYITYRITTKSTRVEFDLPEYSVRRRYQDFDWLR
 SKLEESQPHLIPPLPEKFVVKGVVDRFSEEFVETRRKALDKFLKRITDHPVLSFNEHFNIFLTAKDLNA
 YKKQGIALLTRMGESVKHVTGGYKLRTPLFAAIGDYLDTFALKLGTIDRIAQRIIEEIEYLVELREY
 GPVYSTWSALEGELAEPLGVSACIGNCSTALEELTDDMTEDFLPVLREYILYSDSMKSVLKKRDQVQAE
 YEAKLEAVALRKEDRPKVPADVEKQDRMECFNADLKADMERWQNNKRQDFRQLLMGMADKNIQYEEKCL
 MAWESIPLLQEKQEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4028_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001012994

ORF Size: 1311 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.

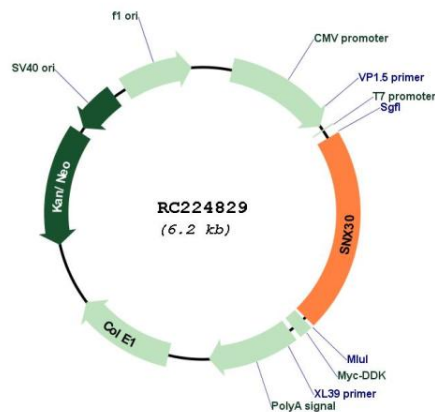
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001012994.2](#)

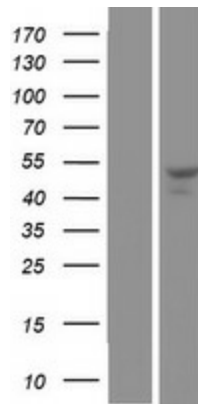
RefSeq Size: 7616 bp

RefSeq ORF:	1314 bp
Locus ID:	401548
UniProt ID:	Q5VWJ9
Cytogenetics:	9q32
MW:	49.5 kDa
Gene Summary:	May be involved in several stages of intracellular trafficking.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224829



Western blot validation of overexpression lysate (Cat# [LY422952]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224829 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).