

## Product datasheet for **RC203405**

### SAP30L (NM\_024632) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SAP30L (NM\_024632) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SAP30L  
**Synonyms:** NS4ATP2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC203405 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACGGCTTCAGCACGGAGGAGGACAGCCGCGAAGGGCCCCCGCCGCCAGCTGCCGCCGCCCGG  
GCTACGGCCAGAGCTGCTGCCTCATCGAGGACGGCGAGCGCTGCGTCCGGCCCGGGCAACGCCTCCT  
CAGCAAGAGGGTCCAGAAGAGCATCTCGAGAAGAACTCAAGCTGGACATCGACAAGAGCGTAAGGCAC  
CTATATATCTGTGATTTTACAAAAATTCATCCAGAGTGTCCGAAATAAAGGAAGAGGAAGACAAGTG  
ACGATGGCGGAGATTCTCCGAGCACGACTGACATTCTGAGGTTGATCTGTTCCAGTGCAGGTGAA  
CACCTACGAGCTTATAACGACTACAAGTTGACAGCCAGACCAGGCTTCAATAAGGCCAGTTAGCA  
GAAACTGTGAGTCGACTTCAGGAACATACCTGTGAATGAAAAAGAGACCCTTGCTACTTTCATCTACA  
TGGTGAAGAGTAACAAGAGTAGACTGGACCAGAAATCGGAGGGTGGCAAGCAGCTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC203405 protein sequence  
Red=Cloning site Green=Tags(s)

MNGFSTEEDSREGPPAAPAAAAPGYGQSCCLIEDGERCVRPAGNASFSKRVQKSIQKCLKLDIDKSVRH  
LYICDFHKNFIQSVRNKRKRKTSDDGGDSPEHDTDIPEVDLFQLQVNTLRRYKRHYKLQTRPGFNKAQLA  
ETVSRHFRNIPVNEKETLAYFIYMKSNKSRLDQKSEGGKQLE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6569\\_f08.zip](https://cdn.origene.com/chromatograms/mk6569_f08.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_024632

ORF Size: 549 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\\_024632.6](#)

RefSeq Size: 6243 bp

RefSeq ORF: 552 bp

Locus ID: 79685

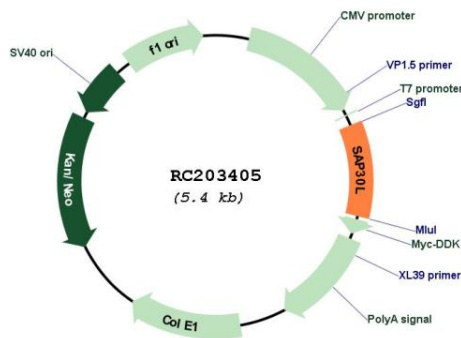
UniProt ID: [Q9HAJ7](#)

Cytogenetics: 5q33.2

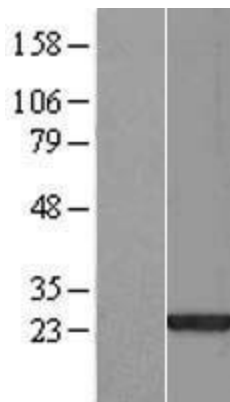
MW: 20.9 kDa

**Gene Summary:** Isoform 1: Functions as transcription repressor, probably via its interaction with histone deacetylase complexes (PubMed:16820529, PubMed:18070604). Involved in the functional recruitment of the class 1 Sin3-histone deacetylase complex (HDAC) to the nucleolus (PubMed:16820529). Binds DNA, apparently without sequence-specificity, and bends bound double-stranded DNA (PubMed:19015240). Binds phosphoinositol phosphates (phosphoinositol 3-phosphate, phosphoinositol 4-phosphate and phosphoinositol 5-phosphate) via the same basic sequence motif that mediates DNA binding and nuclear import (PubMed:19015240, PubMed:26609676).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC203405



Western blot validation of overexpression lysate (Cat# [LY411111]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203405 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).