

## Product datasheet for RC203160

### SAP30 (NM\_003864) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: SAP30 (NM\_003864) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: SAP30  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RC203160 representing NM\_003864  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACGGCTTCACGCCTGACGAGATGAGCCGCGGGGATGCGGCCGCCGAGTGCCCGCAGTGGTCC  
 CTGCCGCGCCGCGCCGCTCGGCGGGAAACGGGACCGGCGCGGGCACCAGGGGCTGAGGTGCCGGGCGC  
 GGGGGCGGTCTCAGCGGTGGGCCCCGGGGCGGCGGGCCGGGCCCGGGCAACTGTGCTGCCTGCGG  
 GAGGATGGTGAGCGGTGCGGCCGGGCGGCAACGCCAGCTTCAGCAAGAGGATCCAGAAGAGCAT  
 CCCAGAAGAAGTGAAGATCGAGCTGGATAAGAGCGCAAGGCATCTTACATATGTGATTATCAAAAA  
 CTTAATTCAGAGTGTTCGAAACAGAAGAAAGAGAAAGGGAGTGATGATGAGGATGATTACCTGT  
 CAAGATATTGATACCCAGAGTTGATTTATACCAATTACAAGTAAATACACTTAGGAGATACAAAAGAC  
 ACTTCAAGCTACCAACCAGACCAGGACTTAATAAAGCACAACTTGTGAGATAGTTGGTTGCCACTTTAG  
 GTCTATTCCAGTGAATGAAAAGACACCTTAACATATTTTCATCTACTCAGTGAAGAATGACAAGAACAAA  
 TCAGATCTCAAGGTTGATAGTGGTGTTCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203160 representing NM\_003864  
 Red=Cloning site Green=Tags(s)

MNGFTPDEMSTRGGDAAAVAAVVAAAAAASAGNGTGAGTGAEVPGAGAVSAAGPPGAAGPGPQLCCLR  
 EDGERCGRAAGNASFSKRIQKSIQKKVKIELDKSARHLIYCDYHKNLIQSVRNRKRKGSDDDDGGDSPV  
 QDIDTPEVDLYQLQVNTLRRYKRHFKLPTRPGLNKAQLVEIVGCHFRSIPVNEKDTLTYFIYSVKNDKKN  
 SDLKVDSGVH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

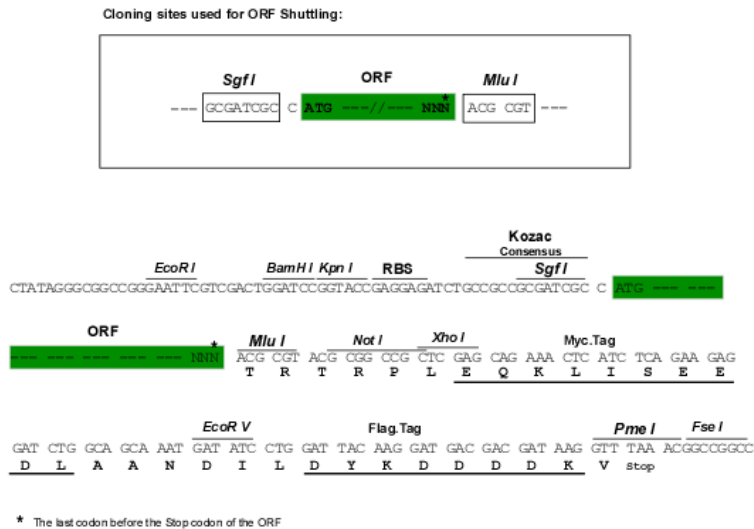


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Chromatograms: [https://cdn.origene.com/chromatograms/mg4698\\_a03.zip](https://cdn.origene.com/chromatograms/mg4698_a03.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_003864

ORF Size: 660 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\\_003864.4](#)

RefSeq Size: 1126 bp

RefSeq ORF: 663 bp

Locus ID: 8819

UniProt ID: [O75446](#)

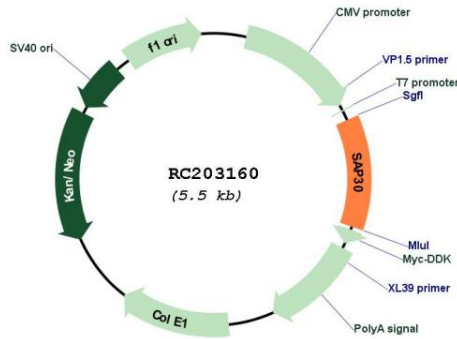
Cytogenetics: 4q34.1

Protein Families: Druggable Genome, Transcription Factors

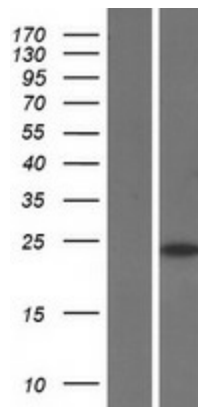
MW: 23.1 kDa

**Gene Summary:** Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP18, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This complex is active in deacetylating core histone octamers, but inactive in deacetylating nucleosomal histones. A pseudogene of this gene is located on chromosome 3. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC203160



Western blot validation of overexpression lysate (Cat# [LY418388]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203160 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).