

## Product datasheet for **SC111087**

### **SAP30 (NM\_003864) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SAP30 (NM_003864) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAP30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003864, the custom clone sequence may differ by one or more nucleotides

```
ATGAACGGCTTCACGCCTGACGAGATGAGCCGCGCGGGGATGCGGCCGCCGCAGTGCCCGCAGTGGCCGAGTGGTCCG
CTGCCCGCGCCGCGCCGCTCGGCGGGGAACGGGACCGGCGCGGGCACCAGGGGCTGAGGTGCCGGGCGC
GGGGGCGGTCTCAGCGGCTGGGCCCGGGGGCGGCCGGGCGGGCCCGGGCAACTGTGCTGCCTGCGG
GAGGATGGTGAGCGGTGCGGCCGGGCGGCAGGCAACGCCAGCTTCAGCAAGAGGATCCAGAAGAGCATCT
CCCAGAAGAAGGTGAAGATCGAGCTGGATAAGAGCGCAAGGCATCTTTACATATGTGATTATCATAAAAA
CTTAATTCAGAGTGTTCGAAACAGAAGAAAGAGAAAAGGGAGTGATGATGATGGAGGTGATTCACCTGTT
CAAGATATTGATACCCAGAGGTTGATTTATACCAATTACAAGTAAATACACTTAGGAGATACAAAAGAC
ACTTCAAGCTACCAACCAGACCAGGACTTAATAAAGCACAACTTGTGAGATAGTTGGTTGCCACTTTAG
GTCTATTCCAGTGAATGAAAAAGACACCTTAACATATTTTCATCTACTCAGTGAAGAATGACAAGAACAAA
TCAGATCTCAAGGTTGATAGTGGTGTCTACTAG
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003864 unedited  
 TCGGATTTTGTAAATACGATTTACTATAGNNGCGCGCCGNAATTCGGCAGGAGGAGTC  
 TCGTCCCAGGCTCAGCACTGTCCACTGTTTCGGTGCCAGCAGAGACCAGCAGGCCCGG  
 GACAGTTGGTGTGGCCGTGCCGTGTCTAACTTGGTGTGCAGAGTGAATTGCCGCTGC  
 CGGAGCGAGAGAGGCGGAGCGGCCAGGAGAGAGGTTTTATTTCTGTAGCGCCGGCCTC  
 GGGAGCTCGGAGACATGAACGGCTTACGCCTGACGAGATGAGCCGCGCGGGGATGCGG  
 CCGCCGAGTGGCCGAGTGGTGTGCTGCCGCGCGCCGCGCCCTCGGCGGGGAACGGGA  
 CCGGCGCGGGCACCGGGCTGAGGTGCCGGCGCGGGGGCGGTCTCAGCGGCTGGGCCCC  
 CGGGGGCGCGCGGCCGGGCCCGGCAACTGTGCTGCCTGCGGGAGGATGGTGAGCGGT  
 GCGGCCGGCGCGCAGGCAACGCCAGCTTACGCAAGAGGATCCAGAAGAGCATCTCCAGA  
 AGAAGGTGAAGATCGTGTGGATAAGAGCGCAAGGCATCTTACATATGTGATTATCATT  
 AAACTTAATTCAGAGTGTTCGAAACAGAAGAAAGAGAATAGGGAGTGATGATGATGGAG  
 GTGATTTACCTGTTCAAGATATTGATACCCAGAGTTGATTTATACCATTTACAAAGTA  
 ATACACTTTAGGAGATACAAAAGACACTTCAAGTACCAACCACGACCAGCACTTATTA  
 AGCACAACCTGTTGACGTATATGAGTTCTAACTATTTGACCTATCTGCCANCCGAG  
 AGGTTTATTAGGCTTTTGAAGTTAATGTAGGGGATTGTACCTACTTTTTTATTATG  
 AAGGACCAAGTTTAAAAATCTGTGGCGGAGAATTTATTTGGTAAAAATGTTTG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003864 unedited  
 AGAGTCGAGTTTTTTTTTTTTTTTTTGCATTACAAGAGAAGTTATTTTTCAAATTTGC  
 TAACCCATAAAGCACTTAAAAAATAATGCTATTTAGATTATCTTCACTTCCAAGTCAG  
 ATTTGCCATAGAATGCAAAATGTGCTACATTTGTTACTTCTCCTACCCTGTTAATTTCT  
 TGAAGTTTAAAAAAAAAAAAAAAAAGGATTACCCACTGAAGGACTTTACATTTAAAT  
 CTCAACTACTGATCTTTAGTCAGTTTAAAAGAAAAATCAAGTTTCACAAAATAAATACAC  
 TGAAGCAACTATAATAGTAATAACCCCTTTTATTTAAAACAGATTTAATTTACGAAAGCTC  
 ATTTTATATGAGCTTCCACCTAATTATTACAGTCAGAAACCAAGAAAATAAACCCAGAGA  
 AAATCCTCTGTACAAAAATACACACAGAACATTTCTACCTGTGAAAAACAGTAAACAG  
 TGTTACCATCCAAGTTATTACTTCTAATCCCCGCTCCCTAATGAACACCACTACTCAAC  
 CTTGAAACCTGATTCTGTCTTTGCACTTCTACTGAGTACATGAAAATGTCTAGGGGCTT  
 TTTCAATTTACTGCGATACACCCAAAGTGGCCCCACCTTTCTCCAATAACGAAAATCACG  
 CAATTAATTTTTACATAAACGGTTACCAAACCCGTA AAAATACGGACCATTACAAAAA  
 CACGGTTATTTAAGGGCATTTTCTCTACAATTTTTTCAACAATATCCAAAAACCAAC  
 CCTTCCAAAAATGTCCACCCCAATAGCGGCCTATAAGGACCTTCCCCCCTTTCAAAC  
 CTGCTAAAAACATTTCCCTTCTTTCACATTA AAAATGGCACCCCGGGCCCTTTTCCACAC  
 CTCTAGGTATGGTGTCCCTGACCCGGTCTTACCCCCCGGTTCCACTTTTTCTAAACA  
 CCTTCCGGTGTGTCCCTTACCTTACCCTCAAGACCTTAAC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003864

**Insert Size:**

1300 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_003864.1](#), [NP\\_003855.1](#)

**RefSeq Size:** 1126 bp

**RefSeq ORF:** 663 bp

**Locus ID:** 8819

**UniProt ID:** [O75446](#)

**Cytogenetics:** 4q34.1

**Protein Families:** Druggable Genome, Transcription Factors

**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]