

## Product datasheet for **SC111144**

### **SAP18 (NM\_005870) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SAP18 (NM_005870) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAP18
Synonyms:	2HOR0202; SAP18P
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005870, the custom clone sequence may differ by one or more nucleotides

```
ATGCTCGCTGCAGGGTTCGGAGGTCAGGGCGAGCGTCTCGCAGGCCGTAGGAGGAAGATGGCGGTGGAGT
CGCGCGTTACCCAGGAGGAAATTAAGAAGGAGCCAGAGAAACCGATCGACCGCGAGAAGACATGCCCACT
GTTGCTACGGGTCTTACCACCAATAACGGCCGCCACCACCGAATGGACGAGTTCTCCCGGGAAATGTA
CCGTCCAGCGAGTTGCAGATCTACACTTGGATGGATGCAACCTTGAAAGAAGTACAAAGCTTAGTAAAAG
AAGTCTACCCAGAAGCTAGAAAGAAGGGCACTCACTTCAATTTTGCAATCGTTTTACAGATGTTAAAAG
ACCTGGCTATCGAGTTAAGGAGATTGGCAGCACCATGTCTGGCAGAAAGGGGACTGATGATTCATGACC
CTGCAGTCGCAGAAGTTCCAGATAGGAGATTACTTGGACATAGCAATTACCCCTCCAATCGGGCACCAC
CTCCTTCAGGGCGCATGAGACCATATTA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005870 unedited  
 GTGCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGTCAGGGCGA  
 GCGTCTCGCAGGCCGTAGGAGGAAGATGGCGGTGGAGTCGCGCGTTACCCAGGAGGAAAT  
 TAAGAAGGAGCCAGAGAAACCGATCGACCGCGAGAAGACATGCCCACTGTTGCTACGGGT  
 CTTACCACCAATAACGGCCGCCACCACCGAATGGACGAGTCTCCCGGGGAAATGTACC  
 GTCCAGCGAGTTGCAGATCTACACTTGGATGGATGCAACCTTGAAAGAAGTACAAGCT  
 AGTAAAAGAAGTCTACCCAGAAGCTAGAAAAGAAGGGCACTCACTTCAATTTTGCAATCGT  
 TTTTACAGATGTTAAAAGACCTGGCTATCGAGTTAAGGAGATTGGCAGCACCATGTCTGG  
 CAGAAAAGGGGACTGATGATTCCATGACCCTGCAGTCGAGAAAGTCCAGATAGGAGATTA  
 CTTGGACATAGCAATTACCCCTCCAAATCGGGCACCACCTCCTTCAGGGCGCATGAGACC  
 ATATTAATTTCTATTTACTATTTGTTGAATTTATTTTTCCGTCAGTTATGTAAAAATAAC  
 ATACTCTTCTCCCTCCCCTGATTATTGCCATTAAGCCTTAAATCTAAACAAATATAA  
 TGCATCATCTATTTAGGAGTTAGATTTGGATGTGCTATTGTATGATTACGAATAGTCTGT  
 ATGTTTCAAGCCCTTCTGTAATATGAAGAAAAGTCTCTTAGCATTCTGTGTAACACTG  
 TACTGTTAAATATATGTGTGAATCAGCCTGAGTGTGAAAGNTAATGGAGGCCTGNGAAC  
 AGGGTTTATACTAAGTAGTGGAGGAGCGTATGGGTAGCCCAAGGGGCAGAACAGAAAGCC  
 ACGGATGTATGAAACAAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005870 unedited  
 GAGGCCGCAATCTACAGTCGAGTNNNNNTTTCTTTTTTTTTTTTTCTTTTTTTTTTTAT  
 GGCCAATAATCAGCATTTATTGGTTCTCATTTGTCAGGCACCATTCTAAGCTCTTTTAAA  
 ATATTAAGTCTTAAACATCCTATAGGCCGCTATCTCCGTTTTACAAAATAAAGATCGAAA  
 TATTTTATCCAAGTTGCAGAGTCCCTGCTGCAATCAGGACTTCAATGTTCTGGTGCATT  
 GTCTTAATCACTGCTTTACTGCCTCTCAAAAAGATGCCCGCCACTATCTAGTACACAAGA  
 GGATGCGCGAACACTCTCTACTTATTCACCCTGCCCTTGCTCTTGGTTCCTCTCCCTTG  
 CGTTTAAAATTTCCCTTTCACCACACTCCCTTTCACCCCTCCAGCGTTCCCTAACC  
 CCCTTTACTTCTACCCAAACCTTGTTCCTTCGACCTGGTTCACCCCTTAAAAATCGCC  
 CCACTCTACACGGTTAATCATTCAAGTCGCCTTCTGTGCCGTCCCGGATCCCTACATT  
 TTTTTCGTTCTGTTCCTTCCCTCCAGCCGTTTTCATCCCGCTTACCAACGTTTTT  
 TTACCCAGCCAACCCCATTTCAAACCTGCTTCCCGTCGCCATTTGCCCCCTCTTACC  
 TTCTCGTTTCCACCTCATCCCTTCTTTCACCCCTCCCTTTTGGCCTGCCCTTCCCATC  
 CCCCGTTCTTTTTCACTTTTTCTTTTTCGCCTTAAATTTATCCCCCTCTTTCCCTT  
 ACTCCCTTACCCATGTATTATTTCTCTCTCCCTCCCGTTTGTTCCTTCTTACTCCC  
 TTTTTTCCCTCCCGTTAAACACTCCCCTCACTTATCCCGCCTTCAATTCACCATTCT  
 CGCCCCACTTTTTTACCCCTTTTATTTCTCTTCCATTCTAATATCCAGTTCGG  
 GCCACCTCGTCAACCCCTTTTCTCTCCGTGCTCCACACCCACCACC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005870

**Insert Size:**

1600 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005870.3</a> , <a href="#">NP_005861.1</a>
<b>RefSeq Size:</b>	2318 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	10284
<b>UniProt ID:</b>	<a href="#">O00422</a>
<b>Cytogenetics:</b>	13q12.11
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter. A pseudogene has been identified on chromosome 2. [provided by RefSeq, Dec 2008]