

## Product datasheet for **SC332123**

### SET (NM\_001248000) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SET (NM\_001248000) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SET  
**Synonyms:** 2PP2A; I2PP2A; IGAAD; IPP2A2; MRD58; PHAPII; TAF-I; TAF-IBETA  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332123 representing NM\_001248000.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGGATGCAGAGACCTCCTGCCAGCTTGAAACCTACCTTGCTGGAAAAAGAACAGCAAGAAGCGATT  
GAACACATTGATGAAGTACAAAATGAAATAGACAGACTTAATGAACAAGCCAGTGAGGAGATTTTGAAA  
GTAGAACAGAAATATAACAACTCCGCCAACCATTTTTTCAGAAGAGGTGAGAATTGATCGCCAAAATC  
CCAAATTTTTGGGTAACAACATTTGTCAACCATCCACAAGTGTCTGCACTGCTTGGGGAGGAAGATGAA  
GAGGCACTGCATTATTTGACCAGAGTTGAAGTGACAGAATTTGAAGATATTAATCAGGTTACAGAATA  
GATTTTTATTTGATGAAAATCCTTACTTTGAAAATAAAGTTCTCTCAAAGAATTTTCATCTGAATGAG  
AGTGGTATCCATCTTGAAGTCCACCGAAATCAAATGGAAATCTGGAAAGGATTTGACGAAACGTTTCG  
AGTCAAACGCAGAATAAAGCCAGCAGGAAGAGGCGAGCATGAGGAACCAGAGAGCTTCTTTACCTGGTTT  
ACTGACCATCTGATGCAGGTGCTGATGAGTTAGGAGAGGTCATCAAAGATGATATTTGGCCAAACCCA  
TTACAGTACTACTTGGTTCCCGATATGGATGATGAAGAAGGAGAAGGAGAAGAAGATGATGATGATGAT  
GAAGAGGAGGAAGGATTAGAAGATATTGACGAAGAAGGGGATGAGGATGAAGGTGAAGAAGATGAAGAT  
GATGATGAAGGGGAGGAAGGAGAGGAGGATGAAGGAGAAGATGACTAA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001248000  
**Insert Size:** 807 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).



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**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\\_001248000.1](#)

**RefSeq Size:** 2638 bp

**RefSeq ORF:** 807 bp

**Locus ID:** 6418

**UniProt ID:** [Q01105](#)

**Cytogenetics:** 9q34.11

**Protein Families:** Druggable Genome, Phosphatase, Stem cell - Pluripotency

**MW:** 31.3 kDa

**Gene Summary:** The protein encoded by this gene inhibits acetylation of nucleosomes, especially histone H4, by histone acetylases (HAT). This inhibition is most likely accomplished by masking histone lysines from being acetylated, and the consequence is to silence HAT-dependent transcription. The encoded protein is part of a complex localized to the endoplasmic reticulum but is found in the nucleus and inhibits apoptosis following attack by cytotoxic T lymphocytes. This protein can also enhance DNA replication of the adenovirus genome. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.