

Product datasheet for **SC118245**

SET (NM_003011) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SET (NM_003011) Human Untagged Clone
Tag:	Tag Free
Symbol:	SET
Synonyms:	2PP2A; I2PP2A; IGAAD; IPP2A2; MRD58; PHAPII; TAF-I; TAF-IBETA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118245 sequence for NM_003011 edited (data generated by NextGen Sequencing)

```
ATGTCGGCGCCGGCCAAAGTCAGTAAAAAGGAGCTCAACTCCAACCACGACGGGGCC
GACGAGACCTCAGAAAAAGAACAGCAAGAAGCGATTGAACACATTGATGAAGTACAAAAT
GAAATAGACAGACTTAATGAACAAGCCAGTGAGGAGATTTTGAAAGTAGAACAGAAATAT
AACAAACTCCGCCAACCATTTTTTTCAGAAGAGGTGAGAATTGATCGCCAAAATCCCAAAT
TTTTGGGTAAACAACATTTGTCAACCATCCACAAGTGTCTGCACTGCTTGGGGAGGAAGAT
GAAGAGGCACTGCATTATTTGACCAGAGTTGAAGTGACAGAATTTGAAGATATTAATCA
GGTTACAGAATAGATTTTTATTTTGTGAAAAATCCTTACTTTGAAAATAAAGTTCTCTCC
AAAGAATTTTATCTGAATGAGAGTGGTGTCCATCTTCGAAGTCCACCGAAATCAATGG
AAATCTGGAAGGATTTGACGAAACGTTTCGAGTCAAACGCAGAATAAAGCCAGCAGGAAG
AGGCAGCATGAGGAACCAGAGAGCTTCTTTACCTGGTTTACTGACCATTCTGATGCAGGT
GCTGATGAGTTAGGAGAGGTCATCAAAGATGATATTTGGCCAAACCCATTACAGTACTAC
TTGGTTCCCGATATGGATGATGAAGAAGGAGAAGGAGAAGAAGATGATGATGATGATGAA
GAGGAGGAAGGATTAGAAGATATTGACGAAGAAGGGGATGAGGATGAAGGTGAAGAAGAT
GAAGATGATGATGAAGGGGAGGAAGGAGAGGAGGATGAAGGAGAAGATGACTAA
```

Clone variation with respect to NM_003011.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003011 unedited AAACCAATTCCGCACGAGGGGAGGAGGCGCGCGGACCGAGCGGGCGCCCGCGCGTGTGGC GTGAGGGGAAGCCGCTTGCCCGCCCTTCGCCTTCCCTTCTCTCCCTCCCGCTCCC CCCCGACCGCGGAGCAGCACCATGTGGCGCCGGCGGCCAAAGTCAGTAAAAAGGAGCT CNATTCCAACCACGACGGGGCCGACGAGACCTCAGAAAAAGAACGAAGAAGCGATTGA ACACATTGATGAAGTACAAAATGAAATAGACAGACTTAATGAACAAGCCAGTGAGGAGAT TTTGAAAGTAGAACAGAAATATAACAAACTCCGCCAACCATTTTTTCAGAAAGGTCAGA ATTGATCGCCAAAATCCCAAATTTTGGGTAACAACATTTGTCAACCATCCACAAGTGTC TGCACTGCTTGGGAGGAAGATGAAGAGGCACTGCATTATTTGACCAGAGTTGAAGTGAC AGAATTTGAAGATATTAATCAGGTTACAGAATAGATTTTTATTTTGTGAAAATCCTTA CTTTGAAAATAAAGTTCTCTCAAAGAATTTTCATCTGAATGAGAGTGGTATCCATCTTC GAAGTCCACCGAAATCAAATGGAATCTGGAAAGGATTTGACGAAACGTTGAGTCAAAC GCAGAATAAAGCCAGCAGGAAGAGGCAGCATGAGGAACCGAGAGCTTCTTACCTGGTT TACTGACCATTCTGATGCAGGTGCTGATGAGTTAGGAGAGGTCATCANAGATGATTTTG GGCCAAACCCATTACAGTACTACTTGGTTCCCGATATGGATGATGAAGAAGGAGAAGGA GAAAGAGATGATGATGATGATGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003011 unedited CTAGGACCCGGCCGCATCTAAAGTCGGTTTTTTTTTTTTTTTTTAAACAAAAGAAGTAG ACAGATACATGTTGGTAAATGCTAACTGTCCATATTCACATAGAGACACAGTGTACTCTC TGAGCCCAATATACAGAGAAAGGAGGAAAAAGCTAGAATTCTATGCACTACTACACAGG GGCCTAGCACCTCCAGCTTCCAGCAGAGCGAAGGGAGCAGGTTTTTCTTTTTCCACA GAGCTCGGAGGAGTTGATTCCATACAGTTTTTGTTCAGACAGGAAGGGATAAAAATGAAC TTCGAACAGAAAGGGTAGAGACTCTTTCCCATTTGATTTCTGCTCAAGGTATTTCCCCC CAAATAAATTGAGAACCATGGAGTAGAGAAAAGAGACCTCAAGAACAGGGCGACTGAGCA CAAGAGGGAAAAAAAAAAAAAAAAAAAAAAAAAAGACTGCAACTTGCTCCCAGGGACTGGA GAAAATTTAAAAAGGAAGGTTGGAAATCCATCAGGGTTCTATTTAGACATCTTCTCCTT CATCCTCTACTTCTACCCTATAATAATCTTCATCTTCTTAACTTCATCCTAATA CCCTTCTCGAAAATATCTTCTAATCCTTACTCCTTAAATAATAATAATCATCCTTCTC CAACTTCTGCTTCTTCATCATGCATATTCGGGAACCAAGACCACTCGCATGGGTTTGGC CAAAATCATCTTTGATGACCCGCCCTAACTATCAGCACCTGCATCACAATGGTAGTAAAC CCAGTAAGAAACTCTGTGCTCAAGCCGACTTTCCGCTGGCTTATTCTGCGTTTGCT CGAACGTTCCCAATCCTTCCAAATCCTTTGATTCGGCGGACTCAAAGGACACCACCC TATCACAGAAACCTCGAAAACTTATTTCAAGAAGGCATTACAAATAAAACCTCCGCGAC CGTTTAATTCCAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003011
Insert Size:	1480 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:	<ol style="list-style-type: none">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:	<u>NM_003011.1, NP_003002.1</u>
RefSeq Size:	2577 bp
RefSeq ORF:	834 bp
Locus ID:	6418
UniProt ID:	<u>Q01105</u>
Cytogenetics:	9q34.11
Domains:	NAP
Protein Families:	Druggable Genome, Phosphatase, Stem cell - Pluripotency
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p>