

Product datasheet for **SC318818**

SET (NM_001122821) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SET (NM_001122821) Human Untagged Clone
Tag: Tag Free
Symbol: SET
Synonyms: 2PP2A; I2PP2A; IGAAD; IPP2A2; MRD58; PHAPII; TAF-I; TAF-IBETA
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001122821 edited
 GGACGGGCGAGGAGACTCGTGGTCTGGTCTGGGACTTCCCTAACAGCATGGCCCTAAA
 CGCCAGTCTCCACTCCCGCCTCAAAAAGAAGAAACCAAGACCACCTCCTGCTCTGGGACCG
 GAGGAGACATCGGCCTCTGCAGGCTTGCCGAAGAAGGGAGAAAAAGAACAGCAAGAAGCG
 ATTGAACACATTGATGAAGTACAAAATGAAATAGACAGACTTAATGAACAAGCCAGTGAG
 GAGATTTTGAAGTAGAACAGAAATATAACAACTCCGCCAACCATTTTTTTCAGAAGAGG
 TCAGAATTGATCGCCAAAATCCCAAATTTTTGGGTAACAACATTTGTCAACCATCCACAA
 GTGTCTGCACTGCTTGGGGAGGAAGATGAAGAGGCACTGCATTATTTGACCAGAGTTGAA
 GTGACAGAATTTGAAGATATTAATCAGGTTACAGAATAGATTTTTATTTTGTGAAAAAT
 CCTTACTTTGAAAATAAAGTTCTCTCAAAGAATTTTCATCTGAATGAGAGTGGTATCCA
 TCTTCGAAGTCCACCGAAATCAAATGGAATCTGGAAAGGATTTGACGAAACGTTTCGAGT
 CAAACGCAGAATAAAGCCAGCAGGAAGAGGCAGCATGAGGAACCAGAGAGCTTCTTTACC
 TGGTTTACTGACCATTCTGATGCAGGTGCTGATGAGTTAGGAGAGGTCATCAAAGATGAT
 ATTTGGCCAAACCATTACAGTACTACTTGGTTCCCGATATGGATGATGAAGAAGGAGAA
 GGAGAAGAAGATGATGATGATGATGAAGAGGAGGAAGGATTAGAAGATATTGACGAAGAA
 GGGGATGAGGATGAAGGTGAAGAAGATGAAGATGATGATGAAGGGGAGGAAGGAGAGGAG
 GATGAAGGAGAAGATGACTAAATAGAACACTGATGGATTCCAACCTTCTTTTTTTAAAT
 TTTCTCCAGTCCCTGGGAGCAAGTTGCAGTCTTTTTTTTTTTTTTTTTTTTTTTTTCCCTC
 TTGTGCTCAGTCGCCCTGTTCTTGAGGTCTTTTTCTCTACTCCATGGTTCTCAATTTAT
 TTGGGGGAAATACCTTGAGCAGAATACAATGGGAAAAGAGTCTCTACCCCTTTCTGTTC
 GAAGTTCAATTTTATCCCTTCTGTCTGAACAAAACTGTATGGAATCAACACCACCGAG
 CTCTGTGGGAAAAAGAAAAACCTGCTCCCTTCGCTCTGCTGGAAGCTGGAGGTGCTAG
 GCCCTGTGTAGTAGTCATAGAATTCTAGCTTTTTCTCCTTTCTCTGTATATTGGGC
 TCAGAGAGTACACTGTGTCTCTATGTGAATATGGACAGTTAGCATTTACCAACATGTATC
 TGTCTACTTTCTTGTAAAAA

Restriction Sites: Please inquire



[View online »](#)

ACCN:	NM_001122821
Insert Size:	1400 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001122821.1</u> , <u>NP_001116293.1</u>
RefSeq Size:	2863 bp
RefSeq ORF:	873 bp
Locus ID:	6418
UniProt ID:	<u>Q01105</u>
Cytogenetics:	9q34.11
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 (1) encodes the longer isoform (1; also known as isoform alpha).</p>