

Product datasheet for **SC336034**

SUV39H1 (NM_001282166) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUV39H1 (NM_001282166) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUV39H1
Synonyms:	H3-K9-HMTase 1; KMT1A; MG44; SUV39H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336034 representing NM_001282166. Blue=Insert sequence Red=Cloning site Green=Tag(s)

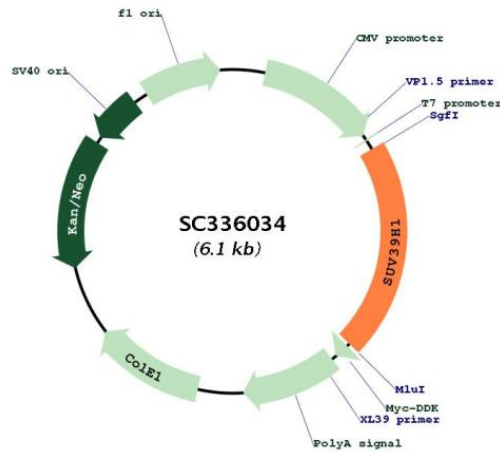
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001282166

Insert Size: 1272 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_001282166.1](#)

RefSeq Size: 2999 bp

RefSeq ORF: 1272 bp

Locus ID: 6839

UniProt ID: [O43463](#)

Cytogenetics: Xp11.23

Protein Families: Druggable Genome

Protein Pathways: Lysine degradation

MW: 49.1 kDa

Gene Summary: This gene encodes an evolutionarily-conserved protein containing an N-terminal chromodomain and a C-terminal SET domain. The encoded protein is a histone methyltransferase that trimethylates lysine 9 of histone H3, which results in transcriptional gene silencing. Loss of function of this gene disrupts heterochromatin formation and may cause chromosome instability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).