

# Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3 (SUVH3), Recombinant Protein

Cat      *RP05384*

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## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3 (SUVH3), partial

## Product Gene Name

SUVH3 recombinant protein

## Product Synonym Gene Name

SUVH3

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

*E. coli* or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

73,439 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Histone-lysine N-methyltransferase

## NCBI Accession #

NP\_565056.1

## NCBI GI #

18410265

## NCBI GenBank Nucleotide #

NM\_105968.3

## NCBI GeneID

843641

## NCBI Official Full Name

histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3-like protein

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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# Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3 (SUVH3), Recombinant Protein

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## NCBI Official Symbol

SUVH3

## NCBI Official Synonym Symbols

F3N23.30; F3N23\_30; SDG19; SET DOMAIN PROTEIN 19; SU(VAR)3-9 homolog 3

## NCBI Protein Information

histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3-like protein

## NCBI Summary

Encodes a SU(VAR)3-9 homolog, a SET domain protein. Known SET domain proteins are involved in epigenetic control of gene expression and act as histone methyltransferases. There are 10 SUVH genes in Arabidopsis and members of this subfamily of the SET proteins have an additional conserved SRA domain.

## UniProt Gene Name

SUVH3

## UniProt Synonym Gene Names

SDG19; SET19; H3-K9-HMTase 3; Su(var)3-9 homolog protein 3

## UniProt Protein Name

Histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH3

## UniProt Synonym Protein Names

Histone H3-K9 methyltransferase 3; H3-K9-HMTase 3; Protein SET DOMAIN GROUP 19; Suppressor of variegation 3-9 homolog protein 3; Su(var)3-9 homolog protein 3

## UniProt Primary Accession #

Q9C5P4

## UniProt Secondary Accession #

Q9SSL7

## UniProt Related Accession #

Q9C5P4

## UniProt Comments

Histone methyltransferase. Methylates 'Lys-9' of histone H3. H3 'Lys-9' methylation represents a specific tag for epigenetic transcriptional repression.

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