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# Histone-Lysine N-Methyltransferase SUV39H1

National Cancer Institute

## Source

National Cancer Institute. *Histone-Lysine N-Methyltransferase SUV39H1*. NCI Thesaurus. Code C73701.

Histone-lysine N-methyltransferase SUV39H1 (412 aa, ~48 kDa) is encoded by the human SUV39H1 gene. This soluble, nuclear protein plays a role in establishment of constitutive heterochromatin at pericentric and telomeric regions. Trimethylation of H3K9 is also required to direct DNA methylation at pericentric repeats.