**Description:** S-adenosylmethionine (SAM) is included with all of the DNA methylases available from New England Biolabs, Inc. The SAM is prepared in a solution of 0.005 M H$_2$SO$_4$ and 10% ETOH and filtered.

**Use and Storage:** For use in a methylation reaction the SAM should be diluted 1:400 to a final concentration of 80 µM. SAM solution should always be stored at –20°C, and thawed on ice.

**Quality Control:** Each lot of SAM is tested in an Sss1 (CpG) Methylase (NEB #M0226) reaction with λ DNA. The DNA is then challenged with BstUI to confirm methylation.