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Vaccinia virus capping enzyme

Cat. No.: HY-E70080

Target: Biochemical Assay Reagents

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

Vaccinia virus capping enzyme

BIOLOGICAL ACTIVITY

Description	Vaccinia virus capping enzyme is a transcription initiation factor. Vaccinia virus capping enzyme is a heterodimer of D1 (844 aa) and D12 (287 aa) polypeptides that executes all three steps in m7GpppRNA synthesis. Vaccinia virus capping enzyme has been used widely as a reagent for capping and cap-labeling RNAs in vitro[1][2].
In Vitro	Vaccinia virus capping enzyme is involved both in the formation of a 5′ cap structure and in termination of early transcription[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vos JC, et al. Vaccinia virus capping enzyme is a transcription initiation factor. EMBO J. 1991 Sep;10(9):2553-8.

[2]. Kyrieleis OJ, et al. Crystal structure of vaccinia virus mRNA capping enzyme provides insights into the mechanism and evolution of the capping apparatus. Structure. 2014 Mar 4;22(3):452-65.

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