mRNA Vaccinia capping enzyme

mRNA Vaccinia virus capping enzyme is an enzyme is composed of two subunits (D1 and D12) and has three enzymatic activities (RNA triphosphatase and guanylyl transferase by the D1 subunit and guanine methyltransferase by the D12 subunit). Vaccinia virus Capping Enzyme is effective to catalyze the formation of cap structure, which can specifically attach the 7-methylguanylate cap structure (m7Gppp, Cap 0) to the 5' end of RNA. Cap structure (Cap 0) plays an important role in mRNA stabilization, transport, and translation in eukaryotes. Capping RNA by the enzymatic reaction is an effective and simple method which can significantly improve the stability and translation of RNA for in vitro transcription, transfection, and microinjection.

Cocentration: 10U/μL

Units/Pk: 500U/50μL; 2000U/200μL; 10000U/1mL

Supplied with optimized reaction buffer for high yield & purity.

This product is produced by GMP process requirements while using Animal Origin Free (AOF) production process; and it is free from DNase & RNase contamination.

Catalog No.	56140022
Size	50μL / 200μL / 1mL
Product Category	mRNA Raw Material