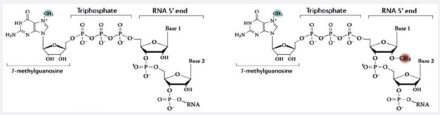
GMP Grade Bioactive

Vaccinia Capping Enzyme

Catalog # DM0017 Size 10 kU

Applications



In vitro Transcription

Vaccinia Capping Enzyme (DM0017) can co-work with 2'-O-Methyltransferase (DM0018). When using new cell lines or translation systems, it is recommended to compare the translation efficiency and immunogenicity of Cap 0 and Cap 1-mRNA to determine the optimal Cap structure

Specification

Product Description	Vaccinia capping enzyme together with substrates, is capable to add the 7-methylguanosine capping structure (m7Gppp, Cap0) to the 5´ end of the RNA.
Form	Liquid
Purity	95% ≤
Activity	10 KU/mL to 10.5 KU/mL
Recommend Usage	Adding the 7-methylguanosine capping structure (m7Gppp, Cap0) and relative decoration mark to the 5´end of the mRNA. The optimal working dilution should be determined by the end user.
Regulatory Status	GMP grade
Storage Buffer	20 mM Tris-HCl pH8.0, 100 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 0.1% TritonX-100, 50% (v/v) Glycerol.
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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