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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

Vaccinia Virus Capping Enzyme

Catalog Number: P9375

Regulation Status: For research use only (RUO)

Product Description: Vaccinia virus capping enzyme is derived from a recombinant *E.coli* strain carries the genes for the Vaccinia capping enzyme. This single 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.

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Concentration: 10 U/?L

Recommend Usage: In Vitro Transcription
The optimal working dilution should be determined by the end user.

Supplied Product: 10x Capping Buffer

Storage Buffer: 20 mM Tris-HCl (pH 8.0), 100 mM NaCl, 1 mM DTT, 0.1mM EDTA, 0.1% Triton X-100, 50% glycerol.

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.