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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

mRNA Cap-2'-O-Methyltransferase

Catalog Number: P9376

Regulation Status: For research use only (RUO)

Product Description: mRNA Cap 2'-O-methyltransferase was derived from a recombinant *E.coli* strain that carries the gene for the vaccinia mRNA Cap 2'-O-Methyltransferase. This enzyme adds a methyl group at the 2'-O position of the first nucleotide adjacent to the cap structure at the 5' end of the RNA. The enzyme utilizes S-adenosylmethionine (SAM) as a methyl donor to methylate capped RNA (cap-0) resulting in a cap-1 structure. The Cap 1 structure can increase the translation efficiency, improving the expression of mRNA in transfection and microinjection experiments. This enzyme specifically requires RNA with an m7GpppN cap as substrate. It cannot utilize RNA with pN, ppN, pppN or GpppN at the 5' end. Capped RNA may be prepared via in vitro transcription using cap analog or through enzymatic capping using the Vaccinia Capping Enzyme.

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

Form: Liquid

Concentration: 50 U/?L

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

Supplied Product: 10x Capping Reaction Buffer

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

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