

Enzymax, LLC
870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: mRNA decapping plus 2
Catalog #: 93
Size: 200 pmol

Order: info@enzymax.net
Tel: 859-219-8482
Fax: 859-219-0653
Web: www.enzymax.net

Product: mRNA Decapping Plus 2

Product Description:

The mRNA Decapping Plus 2 is a special formulation for removing mRNA cap structure. It acts on capped RNA of any size, releasing the mRNA cap and 5' monophosphorylated RNA. It also hydrolyzes cap analogs such as m7GpppG. Additionally, it contains a pyrophosphohydrolase activity that converts 5' triphosphorylated RNA to 5' monophosphorylated RNA.

Decapping Reaction Buffers: 1X

10 mM Tris-HCl, pH 7.5
100 mM NaCl
2 mM MgCl₂
1 mM DTT
1 mM MnCl₂

NOTE: The following two components are option based on your applications:
40 units/mL (recombinant RNase inhibitor)
0.1 mM Spermine

10x decapping Reaction Buffer:

Included

Presentation: mRNA Decapping Plus 2 is in a buffer containing 50 mM Tris-HCl (pH 8.0), 500 mM NaCl and 10% glycerol.

Suggested condition for used in 5'RACE:
It may not be optimized for other applications.

Reaction temperature/time: 37°C, 30-120 min
Reaction volume: 20-50 µl
RNA substrates: 100ng to 1ug
DeCapping enzymes: 50-500ng (~1-10 pmol)

Contaminating Activity Assay: It is free of detectable RNase activity when incubation of 2ug of SP6 transcript with 50ng of enzyme for 1 hour at 37°C. It is also free of detectable exo and endo nuclease activities.

Storage: Stable for 12 months at -80°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.