CapClip Pyrophosphatase 5 U/µl

Cellscript

100 Units

Artikel-Nr.: 187005 | CellScript | Herstellernummer: C-CC15011H

669,00 € *

*zzgl. MwSt. zzgl. Versandkosten

Beschreibung

Verpackung: 100 Units

Cap-Clip™ Acid Pyrophosphatase ist ein Enzym pflanzlicher Herkunft, das verschiedene Pyrophosphat-Bindungen hydrolysiert, darunter auch die der 5'-terminale m7GpppG "cap"-Struktur von eukaryontischer mRNA sowie auch 5' Cap Strukturen von vielen snRNAs (small nuclear RNAs), heterogeneous nuclear RNAs und einigen viralen RNAs. Nach der vollständigen Hydrolyse dieser RNAs mit der Cap-Clip™ Acid Pyrophosphatase entsteht am 5'-Ende eine Monophosphat-Gruppe.

Applikationen

- Erzeugung von Templates für RACE (Rapid Amplification of cDNA Ends)
- 5'-und 3'-End Mapping von RNA
- Ligation von Oligoribonukleotiden an CapClip™-behandelte RNA für die Konstruktion von Full-length cDNA Bibliotheken
- Mapping der Transkriptionsinitiierungs-Sites von eukaryontischen und prokaryontischen Transkripten

Lagerung
Bei -20°C in einem Gefrierschrank ohne Auftauautomatik. Bitte nicht bei –70°C lagern.

Cap-Clip™ Acid Pyrophosphatase (100 units)
20 µl Cap-Clip™ Acid Pyrophosphatase (5 U/µl) in 50% Glycerol, 10 mM Tris-HCl, pH 7.5, 100 mM NaCl, 1 mM Dithiothreitol, 0.1 mM EDTA and 0.01% Triton® X-100.
250 µl 10X Cap-Clip™ Acid Pyrophosphatase Reaction Buffer (0.5 M NaOAc, pH 6.0, 10 mM EDTA, 1% Beta-Mercaptoethanol and 0.1% Triton X-100)

Spezifikationen
Unit Definition
Eine Unit der Cap-Clip Acid Pyrophosphatase entlässt ein nMol anorganisches Phosphat aus m7GpppG in 30 Minuten bei 37°C unter Standard Assay Bedingungen.
Contaminating Activity Assays
Cap-Clip Acid Pyrophosphatase ist frei von detektierbarer RNase und DNase Aktivität.

Triton is a registered trademark of Rohm & Haas, Philadelphia, Pennsylvania.

Telefon: +49 (0) 51 52 / 90 20
Telefax: +49 (0) 51 52 / 20 70
E-Mail: support@biozym.com
Internet: www.biozym.com

Rechtliches
Registergericht: Amtsgericht Hannover
Registernummer: HRB 101682
UST-ID: DE 813739502

Biozym Scientific GmbH
Geschäftsführer
Dr. Sebastian Petri

CELLSCRIPT and Cap-Clip are trademarks of CELLSCRIPT, Madison, Wisconsin.
© 2015 CELLSCRIPT, All rights reserved.
726 Post

****

Cap-Clip™ Acid Pyrophosphatase is a plant-derived enzyme that hydrolyzes various pyrophosphate bonds, including the pyrophosphate bonds of the 5'-terminal m7GpppG "cap" of eukaryotic messenger RNAs, as well as 5' cap structures on many small nuclear RNAs (snRNAs), heterogeneous nuclear RNAs and some viral RNAs. Complete hydrolysis of such capped RNAs generates RNA that has a 5'-monophosphate group.

Applications

- Cloning of Full-Length cDNAs and Rapid Amplification of cDNA Ends (RACE): After decapping the RNA an adaptor sequence is ligated to the 5′ end using T4 RNA
- RNA 5′-End Conversion. In addition to decapping capped mRNA, TAP can also be used to convert 5′-triphosphate RNA into 5′-monophosphate RNA.

MATERIALS
Materials Supplied
Store at –20°C in a freezer without a defrost cycle. Do not store at –70°C.

Cap-Clip™ Acid Pyrophosphatase (100 units)
Cap-Clip™ Acid Pyrophosphatase, 5 U/µl in 50% glycerol, 10 mM Tris-HCl, pH 7.5, 100 mM NaCl, 1 mM dithiothreitol, 0.1 mM EDTA and 0.01% Triton® X-100.
20 µl
10X Cap-Clip™ Acid Pyrophosphatase Reaction Buffer 0.5 M NaOAc, pH 6.0, 10 mM EDTA, 1% beta-mercaptoethanol and 0.1% Triton X-100.
250 µl

SPECIFICATIONS

Unit Definition
One unit of Cap-Clip Acid Pyrophosphatase releases one nanomole of inorganic phosphate from m7GpppG in 30 minutes at 37oC under standard assay conditions.

Contaminating Activity Assays
Cap-Clip Acid Pyrophosphatase is free of detectable RNase and DNase activities.
Art.Nr Art.Bez.1 Art.Bez.2 Preis
187005 CapClip Pyrophosphatase 5 U/µl 100 Units 475,00 €

Triton is a registered trademark of Rohm & Haas, Philadelphia, Pennsylvania.
CELLSCRIPT and Cap-Clip are trademarks of CELLSCRIPT, Madison, Wisconsin.
© 2015 CELLSCRIPT, All rights reserved.
726 Post

Telefon: +49 (0) 51 52 / 90 20
Telefax: +49 (0) 51 52 / 20 70
E-Mail: support@biozym.com
Internet: www.biozym.com

Rechtliches
Registergericht: Amtsgericht Hannover
Registernummer: HRB 101682
UST-ID: DE 813739502

Biozym Scientific GmbH
Geschäftsführer
Dr. Sebastian Petri