Creative Enzymes®

5'-(N7-methylguanosine 5'-triphospho)-[mRNA] hydrolase

Cat. No. EXWM-4635

Lot. No. (See product label)

Introduction

Description	Decapping of mRNA is a critical step in eukaryotic mRNA turnover. The enzyme is unable to cleave a free cap structure (m7GpppG). The enzyme from Vaccinia virus is synergistically activated in the presence of Mg2+ and Mn2+.
Synonyms	Dcp2; NUDT16; D10 protein; D9 protein; D10 decapping enzyme; decapping enzyme; m7GpppN-mRNA hydrolase; m7GpppN-mRNA m7GDP phosphohydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.6.1.62
Reaction	a 5'-(N7-methylguanosine 5'-triphospho)-[mRNA] + H2O = N7-methylguanosine 5'-diphosphate + a 5'-phospho-[mRNA]
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.