

diadenosine hexaphosphate hydrolase (AMP-forming)

Cat. No. EXWM-4633

Lot. No. (See product label)

Introduction

Description

A divalent cation is essential for activity. Mn^{2+} (2–6 mM) is most effective. The enzyme controls intracellular levels of P1,P5-bis(5'-adenosyl)pentaphosphate and P1,P6-bis(5'-adenosyl)hexaphosphate. Weak activity with P1,P4-bis(5'-adenosyl)tetraphosphate. Marked preference for adenine over guanine nucleotides.

Synonyms

hAps1; NUDT11 (gene name); hAps2; NUDT10 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.6.1.60

Reaction

(1) P1,P6-bis(5'-adenosyl)hexaphosphate + H₂O = adenosine 5'-pentaphosphate + AMP; (2) P1,P5-bis(5'-adenosyl)pentaphosphate + H₂O = adenosine 5'-tetraphosphate + AMP

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.