

NAD⁺ glycohydrolase

Cat. No. EXWM-3987

Lot. No. (See product label)

Introduction

Description

This enzyme catalyses the hydrolysis of NAD⁺, without associated ADP-ribosyl cyclase activity (unlike the metazoan enzyme EC 3.2.2.6, bifunctional ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase). The enzyme from Group A streptococci has been implicated in the pathogenesis of diseases such as streptococcal toxic shock-like syndrome (STSS) and necrotizing fasciitis. The enzyme from the venom of the snake *Agkistrodon acutus* also catalyses EC 3.6.1.5, apyrase.

Synonyms

NAD glycohydrolase; nicotinamide adenine dinucleotide glycohydrolase; β-NAD⁺ glycohydrolase; DPNase (ambiguous); NAD hydrolase (ambiguous); diphosphopyridine nucleosidase (ambiguous); nicotinamide adenine dinucleotide nucleosidase (ambiguous); NAD nucleosidase (ambiguous); DPN hydrolase (ambiguous); NADase (ambiguous); nga (gene name); NAD⁺ nucleosidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.2.2.5

CAS No.

9025-46-1

Reaction

$\text{NAD}^+ + \text{H}_2\text{O} = \text{ADP-D-ribose} + \text{nicotinamide}$

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.