Creative Enzymes®

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	NAD+ + H2O = ADP-D-ribose + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.