

ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase

Cat. No. EXWM-3988

Lot. No. (See product label)

Introduction

Description This multiunctional enzyme catalyses both the synthesis and hydrolysis of cyclic

ADP-ribose, a calcium messenger that can mobilize intracellular Ca2+ stores and activate Ca2+ influx to regulate a wide range of physiological processes. In addition, the enzyme also catalyses EC 2.4.99.20, 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase. cf. EC 3.2.2.5, NAD+

glycohydrolase.

Synonyms NAD+ nucleosidase; NADase (ambiguous); DPNase (ambiguous); DPN hydrolase

(ambiguous); NAD hydrolase (ambiguous); nicotinamide adenine dinucleotide nucleosidase (ambiguous); NAD glycohydrolase (misleading); NAD nucleosidase (ambiguous); nicotinamide adenine dinucleotide glycohydrolase (misleading); CD38

(gene name); BST1 (gene name)

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.2.2.6

CAS No. 9032-65-9

Reaction NAD+ + H2O = ADP-D-ribose + nicotinamide (overall reaction); (1a) <math>NAD+ = cyclic

ADP-ribose + nicotinamide; (1b) cyclic ADP-ribose + H2O = ADP-D-ribose

1/1

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

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

Tel: 1-631-562-8517 1-516-512-3133 **Email:** info@creative-enzymes.com