

NAD⁺ ADP-ribosyltransferase

Cat. No. EXWM-2658

Lot. No. (See product label)

Introduction

Description

The ADP-D-ribosyl group of NAD⁺ is transferred to an acceptor carboxy group on a histone or the enzyme itself, and further ADP-ribosyl groups are transferred to the 2'-position of the terminal adenosine moiety, building up a polymer with an average chain length of 20–30 units.

Synonyms

poly(ADP-ribose) synthase; ADP-ribosyltransferase (polymerizing); NAD ADP-ribosyltransferase; PARP; PARP-1; NAD⁺:poly(adenine-diphosphate-D-ribosyl)-acceptor ADP-D-ribosyl-transferase (incorrect); NAD⁺:poly(adenosine-diphosphate-D-ribosyl)-acceptor ADP-D-ribosyl-transferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.2.30

CAS No.

58319-92-9

Reaction

$\text{NAD}^+ + (\text{ADP-D-ribosyl})_n\text{-acceptor} = \text{nicotinamide} + (\text{ADP-D-ribosyl})_{n+1}\text{-acceptor} + \text{H}^+$

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.