

## NAD<sup>+</sup>-dinitrogen-reductase ADP-D-ribosyltransferase

Cat. No. EXWM-2665

Lot. No. (See product label)

### Introduction

**Description** The combined action of this enzyme and EC 3.2.2.24, ADP-ribosyl-[dinitrogen reductase] hydrolase, controls the activity level of nitrogenase (EC 1.18.6.1). In the presence of ammonium, the product of nitrogenase, this enzyme covalently links an ADP-ribose moiety to a specific arginine residue of the dinitrogenase reductase component of nitrogenase, blocking its activity.

**Synonyms** NAD-azoferredoxin (ADPribose)transferase; NAD-dinitrogen-reductase ADP-D-ribosyltransferase; draT (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.2.37

**CAS No.** 117590-45-1

**Reaction** NAD<sup>+</sup> + [dinitrogen reductase]-L-arginine = nicotinamide + [dinitrogen reductase]-N $\omega$ - $\alpha$ -(ADP-D-ribosyl)-L-arginine

**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.