Creative Enzymes®

ADP-ribosyl-[dinitrogen reductase] hydrolase

Cat. No. EXWM-3978

Lot. No. (See product label)

Introduction

Description	The enzyme restores the activity of EC 1.18.6.1, nitrogenase, by catalysing the removal of ADP-ribose from an arginine residue of the dinitrogenase reductase component of nitrogenase. This activity occurs only when the nitrogenase product, ammonium, is not available. The combined activity of this enzyme and EC 2.4.2.37, NAD+-dinitrogen-reductase ADP-D-ribosyltransferase, controls the level of activity of nitrogenase.
Synonyms	azoferredoxin glycosidase; azoferredoxin-activating enzymes; dinitrogenase reductase-activating glycohydrolase; ADP-ribosyl glycohydrolase; draG (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.2.2.24
CAS No.	125626-63-3
Reaction	[dinitrogen reductase]-Nω-α-(ADP-D-ribosyl)-L-arginine = ADP-D-ribose + [dinitrogen reductase]-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.