Creative Enzymes®

Native Aspergillus niger Nitrate Reductase (NAD[P]H)

Cat. No. NATE-0484

Lot. No. (See product label)

Introduction

Description	Nitrate reductase (NAD (P)H) is an enzyme with system name nitrite:NAD (P)+ oxidoreductase. This enzyme catalises the following chemical reaction:nitrite + NAD (P)+ + H2O↔ nitrate + NAD (P)H + H+. Nitrate reductase is an iron-sulfur molybdenum flavoprotein.
Synonyms	nitrate reductase [NAD (P)H]; Nitrate reductases; assimilatory nitrate reductase; assimilatory NAD (P)H-nitrate reductase; NAD (P)H bispecific nitrate reductase; nitrate reductase (reduced nicotinamide adenine dinucleotide (phosphate)); nitrate reductase NAD (P)H; NAD (P)H-nitrate reductase; nitrate reductase [NAD (P)H2]; NAD (P)H2:nitrate oxidoreductase; 9029-27-0; EC 1.7.1.2

Product Information

Source	Aspergillus niger
Form	lyophilized powder
EC Number	EC 1.7.1.2
CAS No.	9029-27-0
Activity	> 300 units/g solid
Unit Definition	One unit will reduce 1.0 μmole of nitrate per min in the presence of β-NADPH at pH 7.5 at 25°C.

Storage and Shipping Information

Storage	−20°C