Creative Enzymes®

Nitrate Reductase from Arabidopsis thaliana, Recombinant

Cat. No. NATE-0486

Lot. No. (See product label)

Introduction

Description Nitrate reductase (NADH) is an enzyme with system name nitrite:NAD+ oxidoreductase. This enzyme catalises the following chemical reaction:nitrite + NAD+ + H2O↔ nitrate + NADH + H+. Nitrate reductase us an iron-sulfur molybdenum flavoprotein.

Applications Catalyzes the NADH-dependent reduction of nitrate to nitrite. Nitrate reductase from Arabidopsis thaliana has been used in a study to assess the amino acid sequence of chicken hepatic sulfite oxidase.

Synonyms Nitrate reductases; assimilatory nitrate reductase; NADH-nitrate reductase; NADH-dependent nitrate reductase; assimilatory NADH:nitrate reductase; nitrate reductase (NADH2); NADH2:nitrate oxidoreductase; nitrate reductase (NADH); EC 1.7.1.1

Product Information

Species Arabidopsis thaliana

Source Pichia pastoris

Form Supplied as a lyophilized powder containing 50 mM MOPS, pH 7.0, 1 mM EDTA and a proprietary sugar

EC Number EC 1.7.1.1

CAS No. 9013-03-0

Activity vial of > 0.5 unit

Usage and Packaging

Package vial of > 0.5 unit

Storage and Shipping Information

Storage −20°C