Creative Enzymes®

nitrate reductase (quinone)

Cat. No. EXWM-1629

Lot. No. (See product label)

Introduction

Description	A membrane-bound enzyme which supports anaerobic respiration on nitrate under anaerobic conditions and in the presence of nitrate. Contains the bicyclic form of the molybdo-bis(molybdopterin guanine dinucleotide) cofactor, iron-sulfur clusters and heme b. Escherichia coli expresses two forms NarA and NarZ, both being comprised of three subunits.
Synonyms	nitrate reductase A; nitrate reductase Z; quinol/nitrate oxidoreductase; quinol-nitrate oxidoreductase; quinol:nitrate oxidoreductase; NarA; NarZ; NarGHI; dissimilatory nitrate reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.7.5.1
Reaction	nitrate + a quinol = nitrite + a quinone + H2O
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 ℃.