

arsenate reductase (glutaredoxin)

Cat. No. EXWM-1240

Lot. No. (See product label)

Introduction

Description

A molybdoenzyme. The enzyme is part of a system for detoxifying arsenate. Although the arsenite formed is more toxic than arsenate, it can be extruded from some bacteria by EC 3.6.3.16, arsenite-transporting ATPase; in other organisms, arsenite can be methylated by EC 2.1.1.137, arsenite methyltransferase, in a pathway that produces non-toxic organoarsenical compounds. cf. EC 1.20.4.4, arsenate reductase (thioredoxin).

Synonyms

ArsC (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.20.4.1

CAS No.

146907-46-2

Reaction

arsenate + glutaredoxin = arsenite + glutaredoxin disulfide + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.