

## 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 + H<sub>2</sub>O

#### 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.