

## arsenate reductase (azurin)

Cat. No. EXWM-1244

Lot. No. (See product label)

### Introduction

**Description** Contains a molybdopterin centre comprising two molybdopterin guanosine dinucleotide cofactors bound to molybdenum, a [3Fe-4S] cluster and a Rieske-type [2Fe-2S] cluster. Isolated from  $\beta$ -proteobacteria. Also uses a c-type cytochrome or O<sub>2</sub> as acceptors.

**Synonyms** arsenite oxidase (ambiguous)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.20.9.1

**CAS No.** 146907-46-2

**Reaction** arsenite + H<sub>2</sub>O + 2 oxidized azurin = arsenate + 2 reduced azurin + 2 H<sup>+</sup>

**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.