

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 β -proteobacteria. Also uses a c-type cytochrome or O₂ 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 $\text{arsenite} + \text{H}_2\text{O} + 2 \text{ oxidized azurin} = \text{arsenate} + 2 \text{ reduced azurin} + 2 \text{ H}^+$

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.