

## 2-oxo-acid reductase

Cat. No. EXWM-0459

Lot. No. (See product label)

### Introduction

#### Description

Contains [4Fe-4S] and a mononucleotide molybdenum (pyranopterin) cofactor. Has broad substrate specificity, with 2-oxo-monocarboxylates and 2-oxo-dicarboxylates acting as substrates. Branching in a substrate at the C-3 position results in loss of activity. The enzyme from *Proteus* sp. is inactivated by oxygen.

#### Synonyms

(2R)-hydroxycarboxylate-viologen-oxidoreductase; HVOR; 2-oxoacid reductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.99.30

#### CAS No.

115299-99-5

#### Reaction

a (2R)-hydroxy-carboxylate + acceptor = a 2-oxo-carboxylate + reduced acceptor

#### 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.