

## L-2-hydroxycarboxylate dehydrogenase (NAD<sup>+</sup>)

Cat. No. EXWM-0251

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from the archaeon *Methanocaldococcus jannaschii* acts on multiple (S)-2-hydroxycarboxylates including (2R)-3-sulfolactate, (S)-malate, (S)-lactate, and (S)-2-hydroxyglutarate. Note that (2R)-3-sulfolactate has the same stereo configuration as (2S)-2-hydroxycarboxylates.

#### Synonyms

(R)-sulfolactate:NAD<sup>+</sup> oxidoreductase; L-sulfolactate dehydrogenase; (R)-sulfolactate dehydrogenase; L-2-hydroxyacid dehydrogenase (NAD<sup>+</sup>); ComC

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.337

#### CAS No.

81210-65-3

#### Reaction

a (2S)-2-hydroxycarboxylate + NAD<sup>+</sup> = a 2-oxocarboxylate + NADH + 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.