Creative Enzymes®

L-2-hydroxycarboxylate dehydrogenase (NAD+)

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+ oxidoreductase; L-sulfolactate dehydrogenase; (R)-sulfolactate dehydrogenase; L-2-hydroxyacid dehydrogenase (NAD+); 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+ = a 2-oxocarboxylate + NADH + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.