

2-glutathionyl-2-methylbut-3-en-1-ol dehydrogenase

Cat. No. EXWM-0318

Lot. No. (See product label)

Introduction

Description

The enzyme, characterized from the bacterium *Rhodococcus* sp. AD45, is involved in isoprene degradation.

Synonyms

isoH (gene name); 4-hydroxy-3-glutathionyl-3-methylbut-1-ene dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.398

Reaction

2-(glutathion-S-yl)-2-methylbut-3-en-1-ol + 2 NAD⁺ + H₂O = 2-(glutathion-S-yl)-2-methylbut-3-enoate + 2 NADH + 2 H⁺ (overall reaction); (1a) 2-(glutathion-S-yl)-2-methylbut-3-en-1-ol + NAD⁺ = 2-(glutathion-S-yl)-2-methylbut-3-enal + NADH + H⁺; (1b) 2-(glutathion-S-yl)-2-methylbut-3-enal + NAD⁺ + H₂O = 2-(glutathion-S-yl)-2-methylbut-3-enoate + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.