Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.