

## hydroxysqualene dehydroxylase

Cat. No. EXWM-1100

Lot. No. (See product label)

### Introduction

**Description** This enzyme, isolated from the bacteria *Rhodopseudomonas palustris* and *Zymomonas mobilis*, participates, along with EC 2.5.1.103, presqualene diphosphate synthase, and EC 4.2.3.156, hydroxysqualene synthase, in the conversion of all-trans-farnesyl diphosphate to squalene. Eukaryotes achieve the same goal in a single step, catalysed by EC 2.5.1.21, squalene synthase.

**Synonyms** hpnE (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.17.8.1

**Reaction** squalene + FAD + H<sub>2</sub>O = hydroxysqualene + FADH<sub>2</sub>

**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.