

## (4S)-limonene synthase

Cat. No. EXWM-5172

Lot. No. (See product label)

### Introduction

**Description** A recombinant enzyme (also known as a monoterpene synthase or cyclase) from the grand fir (*Abies grandis*) requires Mn<sup>2+</sup> and K<sup>+</sup> for activity. Mg<sup>2+</sup> is essentially ineffective as the divalent metal ion cofactor.

**Synonyms** (-)-(4S)-limonene synthase; 4S-(-)-limonene synthase; geranyldiphosphate diphosphate lyase (limonene forming); geranyldiphosphate diphosphate lyase [cyclizing, (4S)-limonene-forming]; geranyl-diphosphate diphosphate-lyase [cyclizing; (-)-(4S)-limonene-forming]

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.3.16

**CAS No.** 110639-20-8

**Reaction** geranyl diphosphate = (S)-limonene + diphosphate

**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.