

## factor-independent urate hydroxylase

Cat. No. EXWM-1626

Lot. No. (See product label)

### Introduction

**Description** This enzyme was previously thought to be a copper protein, but it is now known that the enzymes from soy bean (*Glycine max*), the mould *Aspergillus flavus* and *Bacillus subtilis* contains no copper nor any other transition-metal ion. The 5-hydroxyisourate formed decomposes spontaneously to form allantoin and CO<sub>2</sub>, although there is an enzyme-catalysed pathway in which EC 3.5.2.17, hydroxyisourate hydrolase, catalyses the first step. The enzyme is different from EC 1.14.13.113 (FAD-dependent urate hydroxylase).

**Synonyms** uric acid oxidase; uricase; uricase II; urate oxidase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.7.3.3

**CAS No.** 9002-12-4

**Reaction**  $\text{urate} + \text{O}_2 + \text{H}_2\text{O} = 5\text{-hydroxyisourate} + \text{H}_2\text{O}_2$

**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.