

## polyamine oxidase (propane-1,3-diamine-forming)

Cat. No. EXWM-1541

Lot. No. (See product label)

### Introduction

**Description** As the products of the reaction cannot be converted directly to other polyamines, this class of polyamine oxidases is considered to be involved in the terminal catabolism of polyamines. This enzyme less efficiently catalyses the oxidation of N1-acetylspermine and spermine. A flavoprotein (FAD). Differs in specificity from EC 1.5.3.13 (N1-acetylpolyamine oxidase), EC 1.5.3.15 (N8-acetylspermidine oxidase (propane-1,3-diamine-forming), EC 1.5.3.16 (spermine oxidase) and EC 1.5.3.17 (non-specific polyamine oxidase).

**Synonyms** MPAO; maize PAO

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.5.3.14

**Reaction** spermidine + O<sub>2</sub> + H<sub>2</sub>O = propane-1,3-diamine + 4-aminobutanal + H<sub>2</sub>O<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.