

## steroid 15 $\beta$ -monooxygenase

Cat. No. EXWM-0951

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from the bacterium *Bacillus megaterium* hydroxylates a variety of 3-oxo- $\Delta^4$ -steroids in position 15 $\beta$ . Ring A-reduced, aromatic, and 3 $\beta$ -hydroxy- $\Delta^4$ -steroids do not serve as substrates.

#### Synonyms

cytochrome P-450meg; cytochrome P450meg; steroid 15 $\beta$ -hydroxylase; CYP106A2; BmCYP106A2

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.15.8

#### Reaction

progesterone + 2 reduced [2Fe-2S] ferredoxin + O<sub>2</sub> = 15 $\beta$ -hydroxyprogesterone + 2 oxidized [2Fe-2S] ferredoxin + H<sub>2</sub>O

#### 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.