

## $\gamma$ -L-glutamyl-butirosin B $\gamma$ -glutamyl cyclotransferase

Cat. No. EXWM-5301

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses the last step in the biosynthesis of the aminoglycoside antibiotic butirosin B. The enzyme acts as a cyclotransferase, cleaving the amide bond via transamidation using the  $\alpha$ -amine of the terminal  $\gamma$ -L-glutamate of the side chain, releasing it as the cyclic 5-oxoproline.

#### Synonyms

btrG (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.3.2.6

#### Reaction

$\gamma$ -L-glutamyl-butirosin B = butirosin B + 5-oxoproline

#### 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.