

## **γ-glutamyl hercynylcysteine S-oxide synthase**

Cat. No. EXWM-1060

Lot. No. (See product label)

### **Introduction**

#### **Description**

Requires Fe<sup>2+</sup> for activity. The enzyme, found in bacteria, is specific for both hercynine and γ-L-glutamyl-L-cysteine. It is part of the biosynthesis pathway of ergothioneine.

#### **Synonyms**

EgtB

### **Product Information**

#### **Form**

Liquid or lyophilized powder

#### **EC Number**

EC 1.14.99.50

#### **Reaction**

hercynine + γ-L-glutamyl-L-cysteine + O<sub>2</sub> = γ-L-glutamyl-S-(hercyn-2-yl)-L-cysteine S-oxide + 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.