

## glutathione synthase

Cat. No. EXWM-5746

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-amino-acid ligases (peptide synthases). This enzyme participates in glutamate metabolism and glutathione metabolism.

#### Synonyms

glutathione synthetase; GSH synthetase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 6.3.2.3

#### CAS No.

9023-62-5

#### Reaction

ATP +  $\gamma$ -L-glutamyl-L-cysteine + glycine = ADP + phosphate + glutathione

#### 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.