

## 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**  $\text{ATP} + \gamma\text{-L-glutamyl-L-cysteine} + \text{glycine} = \text{ADP} + \text{phosphate} + \text{glutathione}$

**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.