

## glutamine synthetase

Cat. No. EXWM-5722

Lot. No. (See product label)

### Introduction

**Description** Glutamine synthetase, which catalyses the incorporation of ammonium into glutamate, is a key enzyme of nitrogen metabolism found in all domains of life. Several types have been described, differing in their oligomeric structures and cofactor requirements.

**Synonyms** glutamate-ammonia ligase; glutamylhydroxamic synthetase; L-glutamine synthetase; GS

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.1.2

**CAS No.** 9023-70-5

**Reaction**  $\text{ATP} + \text{L-glutamate} + \text{NH}_3 = \text{ADP} + \text{phosphate} + \text{L-glutamine}$

**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.