

## bis- $\gamma$ -glutamylcystine reductase

Cat. No. EXWM-1639

Lot. No. (See product label)

### Introduction

#### Description

Contains FAD. The enzyme, which is found only in halobacteria, maintains the concentration of  $\gamma$ -glutamylcystine, the major low molecular weight thiol in halobacteria. Not identical with EC 1.8.1.7 (glutathione-disulfide reductase) or EC 1.8.1.14 (CoA-disulfide reductase).

#### Synonyms

NADPH2:bis- $\gamma$ -glutamylcystine oxidoreductase; GSR

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.8.1.13

#### CAS No.

117056-54-9

#### Reaction

$2 \gamma\text{-glutamylcystine} + \text{NADP}^+ = \text{bis-}\gamma\text{-glutamylcystine} + \text{NADPH} + \text{H}^+$

#### 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.