

## coenzyme F420-1:γ-L-glutamate ligase

Cat. No. EXWM-5751

Lot. No. (See product label)

### Introduction

#### Description

This protein catalyses the successive addition of two glutamate residues to cofactor F420 by two distinct and independent reactions. In the first reaction (EC 6.3.2.31, coenzyme F420-0-L-glutamate ligase) the enzyme attaches a glutamate via its α-amine group to F420-0. In the second reaction, which is described here, the enzyme catalyses the addition of a second L-glutamate residue to the γ-carboxyl of the first glutamate.

#### Synonyms

F420:γ-glutamyl ligase; CofE-AF; MJ0768; CofE

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 6.3.2.34

#### Reaction

GTP + coenzyme F420-1 + L-glutamate = GDP + phosphate + coenzyme γ-F420-2

#### 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.