Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.