Creative Enzymes®

sulfur carrier protein ThiS adenylyltransferase

Cat. No. EXWM-3285

Lot. No. (See product label)

Introduction

Description	Binds Zn2+. The enzyme catalyses the adenylation of ThiS, a sulfur carrier protein involved in the biosynthesis of thiamine.The enzyme shows significant structural similarity to ubiquitin-activating enzyme. In Escherichia coli, but not in Bacillus subtilis, the enzyme forms a cross link from Cys-184 to the ThiS carboxy terminus (the position that is also thiolated) via an acyldisulfide.
Synonyms	thiF (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.73
Reaction	ATP + [ThiS] = diphosphate + adenylyl-[ThiS]
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 ℃.