

## sulfur carrier protein ThiS adenylyltransferase

Cat. No. EXWM-3285

Lot. No. (See product label)

### Introduction

**Description** Binds Zn<sup>2+</sup>. 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 acyl disulfide.

**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 °C for short term. For long term storage, store it at -20 °C~-80 °C.