

## Lysine-8-amino-7-oxononanoate transaminase

Cat. No. EXWM-2845

Lot. No. (See product label)

### Introduction

**Description** A pyridoxal 5'-phosphate enzyme. Participates in the pathway for biotin biosynthesis. The enzyme from the bacterium *Bacillus subtilis* cannot use S-adenosyl-L-methionine as amino donor and catalyses an alternative reaction for the conversion of 8-amino-7-oxononanoate to 7,8-diaminononanoate (cf. EC 2.6.1.62, adenosylmethionine-8-amino-7-oxononanoate transaminase).

**Synonyms** DAPA aminotransferase (ambiguous); bioA (gene name) (ambiguous); bioK (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.6.1.105

**Reaction** L-lysine + 8-amino-7-oxononanoate = (S)-2-amino-6-oxohexanoate + 7,8-diaminononanoate

**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.