

## L-isoleucine 4-hydroxylase

Cat. No. EXWM-0664

Lot. No. (See product label)

### Introduction

**Description** The enzyme, characterized from the bacterium *Bacillus thuringiensis*, can also catalyse the hydroxylation of L-leucine, L-norvaline, L-norleucine, and L-allo-isoleucine, as well as the sulfoxidation of L-methionine, L-ethionine, S-methyl-L-cysteine, S-ethyl-L-cysteine, and S-allyl-L-cysteine.

**Synonyms** ido (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.11.45

**Reaction** L-isoleucine + 2-oxoglutarate + O<sub>2</sub> = (4S)-4-hydroxy-L-isoleucine + succinate + CO<sub>2</sub>

**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.