

## L-Methionine $\gamma$ -Lyase, Recombinant

Cat. No. NATE-0414

Lot. No. (See product label)

### Introduction

**Description** L-Methionine  $\gamma$ -Lyase or methioninase has been shown to have anti-tumor effects by depleting methionine from methionine-dependent tumors making them more sensitive to traditional chemotherapies.

**Applications** L-Methionine  $\gamma$ -lyase has been used in a study to assess catabolism of volatile sulfur compound precursors by *Brevibacterium linens* and *Geotrichum candidum*. It has also been used in a study to investigate the enzymatic processing of fluorinated methionine analogs.

**Synonyms** L-methioninase; methionine lyase; methioninase; methionine dethiomethylase; L-methionine  $\gamma$ -lyase; L-methionine methanethiol-lyase (deaminating); EC 4.4.1.11; methionine  $\gamma$ -lyase

### Product Information

**Source** E. coli

**Form** Supplied as a lyophilized powder containing pyridoxal-5'-phosphate and potassium phosphate

**EC Number** EC 4.4.1.11

**CAS No.** 42616-25-1

**Activity** > 0.2 unit/mg solid

**Unit Definition** One unit will convert 1 micromole of L-methionine to 2-ketobutyrate per minute at pH 7.0 at 37°C.

### Storage and Shipping Information

**Storage** -20°C