

L-Methionine γ -Lyase, Recombinant

Cat. No. NATE-0414

Lot. No. (See product label)

Introduction

Description

L-Methionine γ -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 γ -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 γ -lyase; L-methionine methanethiol-lyase (deaminating); EC 4.4.1.11; methionine γ -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