



Liquid *Lactobacillus leichmannii* Nucleoside Deoxyribosyltransferase II

Cat. No. CEGZ-6395

Lot. No. (See product label)

Introduction

Description

A recombinant type II nucleoside deoxyribosyltransferase from *Lactobacillus leichmannii* supplied as a buffered liquid containing glycerin.

Applications

For research and in vitro one-step deoxyribosyl-transfer reactions between purine and pyrimidine nucleobases.

Synonyms

NDT; nucleoside 2'-deoxyribosyltransferase type II; trans-deoxyribosylase; deoxyribose transferase; DRTase; purine(pyrimidine) nucleoside:purine(pyrimidine) deoxyribosyl transferase; nucleoside trans-N-deoxyribosylase; nucleoside:purine(pyrimidine) deoxy-D-ribosyltransferase

Product Information

Species

Lactobacillus leichmannii

Source

Recombinant *E. coli*

Form

Liquid

EC Number

EC 2.4.2.6

CAS No.

9026-86-2

Molecular Weight

19.3 kDa

Specificity

Broad substrate spectrum; supports purine-to-purine, purine-to-pyrimidine, and pyrimidine-to-pyrimidine transfer.

Substrates

2-Deoxynucleoside donor; purine or pyrimidine nucleobase acceptor

Reaction

2-deoxy-D-ribosyl-base1 + base2 = 2-deoxy-D-ribosyl-base2 + base1

Notes

Mesophilic with a broad substrate spectrum. Recombinant protein is produced in *E. coli* and purified by His6-tag affinity chromatography.

Protocol

50 mM MES, pH 6 1 mM deoxythymidine 1 mM adenine 0.1 g/L enzyme 40°C, 60 min

Usage

Research and in vitro use only.

Storage and Shipping Information

Storage

-20°C