Creative Enzymes®

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