Creative Enzymes®

Nucleoside Deoxyribosyltransferase II from Lactobacillus leichmanii, Recombinant

Cat. No. NATE-0478

Lot. No. (See product label)

Introduction

Description	Class II N-Deoxyribosyltranferases, DRTases, catalyze the transfer of a 2'-deoxyribosyl group between purines or pyrimidines. In the absence of an acceptor nucleobase, these enzymes display hydrolase activity, converting the nucleoside to its base and a deoxyribose. In lactobacilli species, Nucleoside Deoxyribosyltransferase enzymes are part of the nucleoside salvage pathway for DNA synthesis.
Applications	Nucleoside deoxyribosyltransferase II has been used in a study that assessed its enzymatic synthesis with 2′-deoxyguanosine. Nucleoside deoxyribosyltransferase II has also been used in studies to investigate its molecular cloning, expression and specificity.
Synonyms	EC 2.4.2.6; purine (pyrimidine) nucleoside:purine (pyrimidine) deoxyribosyl transferase; deoxyribose transferase; nucleoside trans-N-deoxyribosylase; trans-deoxyribosylase; trans-N-deoxyribosylase; trans-N-glycosidase; nucleoside deoxyribosyltransferase I (purine nucleoside:purine deoxyribosyltransferase:strictly specific for transfer between purine bases); nucleoside deoxyribosyltransferase II [purine (pyrimidine) nucleoside:purine (pyrimidine) deoxyribosyltransferase]; DRTase; Deoxyribose transferase; NDT

Product Information

Species	Lactobacillus leichmanii
Source	E. coli
Form	lyophilized powder
EC Number	EC 2.4.2.6
CAS No.	9026-86-2
Unit Definition	One unit of enzyme produces 1 μM of hypoxanthine in 1 minute at 40°C, pH 6.0.

Storage and Shipping Information

Storage	−20°C