

Active Recombinant *Lactobacillus leichmannii* Nucleoside deoxyribosyltransferase, His tagged

Cat. No. NdT-16L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NdT02 is a nucleoside deoxyribosyltransferase (type II) from <i>Lactobacillus leichmannii</i> . Recombinant from <i>E. coli</i> , purified by His6-Tag affinity chromatography. Produced and sold for research purposes and in vitro use only.
Species	<i>Lactobacillus leichmannii</i>
Source	<i>E. coli</i>
Description	Type II nucleoside deoxyribosyltransferases catalyze the direct transfer of the 2-deoxyribosyl moiety from a 2'-deoxynucleoside donor to a nucleobase acceptor through a one-step reaction and allow the transfer between purines and/or pyrimidines (Pur→Pur, Pur→Pyr, Pyr→Pyr).
Form	Liquid, buffered, 50 % (v/v) glycerin
Molecular Mass	19.3 kDa
Storage	At -20 centigrade
EC No.	2.4.2.6
CAS No.	9026-86-2
Catalyzed reaction(s)	2-deoxy-D-ribosyl-base1 + base2 = 2-deoxy-D-ribosyl-base2 + base1 Base1 and

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base2 represent various purines and pyrimidines.

Example reaction conditions

50 mM MES pH 6, 1 mM deoxyadenosine, 1 mM uracil, 0.3 g/l NdT02 enzyme, 40 centigrade, 60 min Please note that optimal reaction conditions - especially reaction time and/or enzyme concentration - may vary depending on the substrate.

Other characteristics

Mesophilic, broad substrate spectrum

GENE INFORMATION**Official Symbol**

NdT

Synonyms

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

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