

Active Recombinant Limosilactobacillus reuteri Nucleoside deoxyribosyltransferase, His tagged

Cat. No. NdT-17L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NdT03 is a nucleoside deoxyribosyltransferase (type II) from Limosilactobacillus reuteri (formerly Lactobacillus reuteri). Recombinant from E. coli, purified by His6-Tag affinity chromatography. Produced and sold for research purposes and in vitro use only.
Species	Limosilactobacillus reuteri
Source	E.coli
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	19.5 kDa
Storage	At -20 centigrade
EC No.	2.4.2.6
CAS No.	9026-86-2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Catalyzed reaction(s)	2-deoxy-D-ribosyl-base1 + base2 = 2-deoxy-D-ribosyl-base2 + base1 Base1 and base2 represent various purines and pyrimidines.
Example reaction conditions	50 mM MES pH 6, 1 mM deoxyadenosine, 1 mM uracil, 0.3 g/l NdT03 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA