

thymine-DNA glycosylase

Cat. No. EXWM-3983

Lot. No. (See product label)

Introduction

Description

Thymine-DNA glycosylase is part of the DNA-repair machinery. Thymine removal is fastest when it is from a G/T mismatch with a 5'-flanking C/G pair. The glycosylase removes uracil from G/U, C/U, and T/U base pairs faster than it removes thymine from G/T.

Synonyms

mismatch-specific thymine-DNA glycosylase; mismatch-specific thymine-DNA N-glycosylase; hTDG; hsTDG; TDG; thymine DNA glycosylase; G/T glycosylase; uracil/thymine DNA glycosylase; T:G mismatch-specific thymidine-DNA glycosylase; G:T mismatch-specific thymine DNA-glycosylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.2.2.29

Reaction

Hydrolyses mismatched double-stranded DNA and polynucleotides, releasing free thymine.

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.