

## Topoisomerase I from *Mycobacterium tuberculosis*, Recombinant

Cat. No. NATE-3205

Lot. No. (See product label)

### Introduction

**Description** Topoisomerases are nuclear enzymes that play essential roles in DNA replication, transcription, chromosome segregation, and recombination. All cells have two major forms of topoisomerases: type I, which makes single-stranded cuts in DNA, and type II enzymes, which cut and pass double-stranded DNA. The enzyme is supplied with Assay Buffer (5X concentration) and Dilution Buffer (1X).

### Product Information

**Species** *Mycobacterium tuberculosis*

**Source** E.coli

**Form** Liquid

**EC Number** EC 5.99.1.2

**CAS No.** 80449-01-0

**Unit Definition** 1 U of topo I will relax 0.5 µg of supercoiled pBR322 DNA in 30 minutes at 37 °C.

### Storage and Shipping Information

**Storage** at -80°C