

## DNA Repair

### Human TDG (Thymine DNA-Glycosylase)

Molecular Mass: 46 kDa

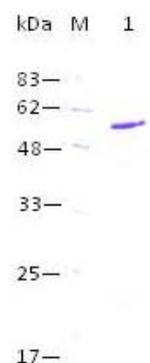
**Catalog #**      **Size**  
35                    5 µg

#### Description

TDG is a DNA glycosylase that removes T from the TG mismatch in DNA. Such mismatch can derive from deamination of methylated C in DNA. TDG is a mono functional glycosylase that leaves an intact AP site in DNA following its glycosylase action. In addition to T, U or ethenoC opposite G is also recognized by TDG.

#### Buffer

The protein is supplied in 20 mM sodium phosphate (pH 7.5), 150 mM NaCl, 5 mM β-mercaptoethanol, 10% glycerol.



#### Purified human TDG.

The protein (250 ng) was analyzed by electrophoresis on a 12.5% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. The arrowhead indicates the TDG protein band whose identity was confirmed by Western blot analysis. Protein size markers (lane M) are indicated on the left.

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