

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

TDG, 1-410aa, Human, His tag, E.coli

产品货号: TP04174

第三版

别名:Thymine-DNA glycosylase, G/T mismatch-specific thymine DNA glycosylase,

描述:Thymine-DNA glycosylase, also known as TDG, belongs to the TDG/mug DNA glycosylase family. TDG is a nuclear protein which corrects G/T mismatches to G/C pairs by hydrolyzing the carbon-nitrogen bond between the sugar-phosphate backbone of the DNA and the mispaired thymine. TDG can also remove uracil and 5-bromouracil from mispairings with guanine. This enzyme plays a central role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine. Recombinant human TDG protein, fused to His-tag at N-terminus, was expressed in E.coli

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4 Urea, 10% glycerol, 0.1M NaCl

分子量:48.4 kDa (433aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSMEAENAGSYSLQQAQAFYTFPFQQLMAEAPNMAVVNEQQMPPEVPAPAPAQEPV
QEAPKGRKRKPRTEPKQPVPEPKPVESKKSAGSAKSKEKQEKITDTFKVVRKVDVDFNGVSEAEELLTKLPDILTFNLDIVII
GINPGLMAAYKGGHHYPGPGNHFWKCLFMSGLSEVQLNHMDDHTLPGKYGIGFTNMVERTTPGSKDLSSKEFREGGRILV
QKLQKYQPRIAVFNGKCIYEIFSKEVFGVKVKNLEFGLQPHKIPDTETLCYGMPS SARCAQFPRAQDKVHYYIKLKDRLD
QLKGIERNMDVQEVQYTFDLQLAQEDAKKMAVKEEKYDPGYEAYGGAYGENPCSSEPCGFSSNGLIESVELRGESAFSGI
PNGQWMTQSFTDQIPSFNSHCGTQEQEESHAA
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纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C 或者-70 ° C. 避免反复冻融.