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TDP1, 1-298aa Human, His tag, E.coli

产品货号: TP04176

第三版

别名: Tyrosyl-DNA phosphodiesterase 1, FLJ11090, SCAN1, Tyr-DNA phosphodiesterase 1, Tyrosyl DNA phosphodiesterase 1, TDP-1

描述: Tyrosyl-DNA phosphodiesterase 1, also known as TDP1, is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. Recombinant human TDP1, fused to His-tag at N-terminus, was expressed in E.coli.

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

分子量: 35.8 kDa (318aa)

序列:

MGSSHHHHHSSGLVPRGSHMSQEGDYGRWTISSSESEEEKPKPKDPSTSSLLCARQGAANEPRYTCSEAQKAAHKKRI  
SPVKFSNTDSVLPPKRQKSGSQEDLGWCLSSDDELQPEMPQKQAEKVVIKKEKDISAPNDGTAQRTEHNGAPACHRLKE  
EEDEYETSGEGQDIWDMLDKGNPFQFYLTRVSGVKPKYNSGALHIKDILSPLFGTLVSSAQFNFCFDVDWLKQYPPEFRK  
KPILLVHGDKREKAHLHAQAKPYENISLCQAKLDIAFGTHHTKMMLLLYEEGLRVVIHTSNLIHADWHQKTQGTHL

纯度: > 95% by HPLC

浓度: 1 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.