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TDP1, 1-608aa, Human, His-tag, Baculovirus

产品货号: TP04177

第三版

别名:tyrosyl-DNA phosphodiesterase 1 isoform a, TDP1, Tyrosyl-DNA phosphodiesterase 1, Tyr-DNA phosphodiesterase 1

描述:TDP1, also known as tyrosyl-DNA phosphodiesterase 1, 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 C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

分子量:69.5kDa (617aa), 50-70kDa (SDS-PAGE under reducing conditions.)

序列:

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ADPMSQEGDYGRWTISSSDESEEEKPKPKDPSTSSLLCARQGAANEPRYTCSEAQKAAHKRKISPVKFSNTDSVLPPKRQKS  
GSQEDLGWCLSSSDDELQPEMPQKQAEKVVIKKEKDISAPNDGTAQRTENHGAPACHRLKEEEDYETSGEGQDIWDML  
DKGNPFQFYLTRVSGVKPKYNSGALHIKDILSPLFGTLVSSAQFNCFDVDWLVKQYPPEFRKKPILLVHGDKREAKAHLH  
AQAKPYENISLCQAKLDIAFGTHHTKMMMLLYEGLRVVIHTSNLIHADWHQKTQGIWLSPLYPRIADGTHKSGESPTHF  
KADLISYLMAYNAPSLKEWIDVIHKHDLSETNVYLIGSTPGRFQGSQKDNWGHFRLKLLKDHASSMPNAESWPVVGQFS  
SVGSLGADESKWLCSEFKESMLTLGKESKTPGKSSVPLYLIYPSVENVRTSLEGYPAGGSLPYSIQTAEKQNWLSYFHKWSA  
ETSGRSNAMPHIKTYMRSPDFSKIAWFLVTSANLSKAAWGALEKNGTQLMIRSYELGVFLPSAFGLDSFKVKQKFFAGSQ  
EPMATFPVPYDLPELYGSKDRPWIIWNIPYVKAPDTHGNMWWVPSHHHHHH
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纯度:> 95% by HPLC

浓度:0.25mg/ml (determined by Absorbance at 280nm)

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.