

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。

mug, 1-168aa, E.coli, His tag, E.coli

产品货号: TP03047

第三版

别名:G/U mismatch-specific DNA glycosylase, xanthine DNA glycosylase, dug, ECK3058, JW3040, ygjF

描述:G/U mismatch-specific DNA glycosylase, xanthine DNA glycosylase, also known as mug, belongs to the TDG/mug DNA glycosylase family. It has been proposed that the Mug protein excises 3, N4-ethenocytosine and removes the uracil base from mismatches in the order of U:G>U:A, although the biological role remains unclear. The enzyme Uracil-N-Glycosylase removes uracil from the DNA leaving an AP site. It is capable of hydrolyzing the carbon-nitrogen bond between the sugar-phosphate backbone of the DNA and the mispaired base. The complementary strand guanine functions in substrate recognition. Recombinant E.coli mug protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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

分子量:21.1 kDa (191aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMVEDILAPGLRVVFCGINPGLSSAGTGFPFAHPANRFWKVIYQAGFTDRQLKPQEA  
QHLLDYRCGVTKLVDRPTVQANEVSKQELHAGGRKLIKIEDYQPQALAILGKQAYEQGFSQRGAQWGKQTLTIGSTQI  
WVLPNPSGLSRVSLEKLVAYRELDQALVVRGR

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.