

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。

NUDT1, 1-156aa, Human, His tag, E.coli

产品货号: TP03222

第三版

别名:7,8-dihydro-8-oxoguanine triphosphatase, MTH1, 8-oxo-dGTPase, Nudix motif 1

描述:NUDT1 is an enzyme that hydrolyzes oxidized purine nucleoside triphosphates, such as 8-oxo-dGTP, 8-oxo-dATP, 2-hydroxy-dATP, and 2-hydroxy rATP, to monophosphates, thereby preventing misincorporation of 8-oxo-dGTP into DNA thus preventing A:T to C:G transversions. It is localized mainly in the cytoplasm, with some in the mitochondria, suggesting that it is involved in the sanitization of nucleotide pools both for nuclear and mitochondrial genomes.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol,2mM DTT, 100mM NaCl

分子量:20.1kDa (176aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGASRLYTLVVLVLPQRVLLGMKKRFGAGRWNGFGGKVQEGETIEDGARRELQEEES
GLTVDALHKVGGQIVFEFVGEPELMDVHVFC TDSIQGTPVESDEMPCWFQLDQIPFKDMWPDDSYWFP LLLQKKKFHG
YFKFQGQDTILDYTLREVDTV

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.