

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。

mgMT, 1-207aa, Human, His-tagged, Recombinant, E.coli

产品货号: TP02967

第三版

别名: O-6-methylguanine-DNA methyltransferase

描述: O-6-methylguanine-DNA methyltransferase (MGMT) is an enzyme that repairs O-6-methylguanine, a mutagenic DNA base damaged by endogenous and environmental alkylating agents and is involved in the cellular defense against the biological effects of O-6-methylguanine in DNA. MGMT repairs alkylated guanine in DNA by stoichiometrically transferring the alkyl group at the O-6 position to a cysteine residue in the enzyme.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% glycerol

分子量: 23.8 kDa (227 aa) (Real molecular weight on SDS-PAGE will be shift up)

序列:

MGSSHHHHHHSSGLVPRGSHMDKDCMKRTTLDSPGKLELSGCEQGLHEIKLLGKGTSAADAVEVPAPAAVLGGPEPL
MQCTAWLNAYFHQPEAIEEFPVPAFHHPVFQQESFTRQVLWLLKVVVFGEVISYQQLAALAGNPKAARAVGGAMRGN
PVPILIPCHRVCSSGAVGNYSGLAVKEWLLAHEGHRLGKPLGGSSGLAGAWLKGAGATSGSPAGRN

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.