



Recombinant Human 6-O-Methylguanine-DNA Methyltransferase/MGMT Protein(N-6His)

Cat.NO.: TP05085

3th Edition

Synonyms: Methylated-DNA--protein-cysteine methyltransferase; 6-O-methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; MGMT

Description: MGMT belongs to the family of transferases, specifically those transferring one-carbon group methyltransferases. MGMT involved in the cellular defense against the biological effects of O6-methylguanine in DNA. Repairs alkylated guanine in DNA by stoichiometrically transferring the alkyl group at the O-6 position to a cysteine residue in the enzyme. MGMT catalyzes the chemical reaction: DNA (containing 6-O-methylguanine) and protein-L-cysteine into DNA (without 6-O-methylguanine) and protein S-methyl-L-cysteine.

Form: PBS

Molecular Weight: 23.8 kDa

Sequences: Met 1-Asn207

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.