

32-8278: Recombinant Human 6-O-Methylguanine-DNA Methyltransferase/MGMT (N-6His)(Discontinued)

Gene : MGMT
Gene ID : 4255
Uniprot ID : P16455

Description

Source: E. coli.

MW :23.8kD.

Recombinant Human MGMT is produced by our E.coli expression system and the target gene encoding Met1-Asn207 is expressed with a 6His tag at the N-terminus. 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 proteinL-cysteine into DNA (without 6-O-methylguanine) and protein S-methyl-L-cysteine.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mMTrisHCl,1mM EDTA, pH 8.0 .
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSHMDKDCMKRTTLDSPGKLELSGCEQGLHEIKLLGKGTSAADAVEVPAPAAV
LGGPEPLMQCTAWLNAYFHQPEAIEEFVVPALHHPVFQQESFTRQVLWKLKVVKFGEVISYQQLAALAGNPKA
ARAVGGAMRGNPVPILIPCHRVCSSGAVGNYSGLAVKEWLLAHEGHRGKPLGGSSGLAGAWLKGAGA
TSGSPAGRN

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.