

Recombinant Human MGMT Protein (M1-N207), Tag Free

Cat. No. MGMT-0597H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-MGMT(M1-N207 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-N207
Description	Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) and O4-methylthymine (O4-MeT) in DNA. Repairs the methylated nucleobase in DNA by stoichiometrically transferring the methyl group to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Storage Buffer Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol

Shipping It is shipped out with blue ice.

GENE INFORMATION

Gene Name MGMT O-6-methylguanine-DNA methyltransferase [Homo sapiens (human)]

Official Symbol MGMT

Synonyms MGMT; O-6-methylguanine-DNA methyltransferase; methylated-DNA--protein-cysteine methyltransferase; methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; O6-methylguanine-DNA methyltransferase; 6-O-methylguanine-DNA methyltransferase;

Gene ID 4255

mRNA Refseq NM_002412

Protein Refseq NP_002403

MIM 156569

UniProt ID P16455

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