

Recombinant Mouse Mgmt Protein, Myc/DDK-tagged

Cat. No. Mgmt-4062M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length O-6-methylguanine-DNA methyltransferase (Mgmt), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) 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. This is a suicide reaction: the enzyme is irreversibly inactivated.
Molecular Mass	22.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Mgmt O-6-methylguanine-DNA methyltransferase [Mus musculus (house mouse)]
Official Symbol	Mgmt
Synonyms	MGMT; O-6-methylguanine-DNA methyltransferase; methylated-DNA--protein-cysteine methyltransferase; O-6-alkylguanine-DNA alkyltransferase; O-6-methylguanine-DNA-alkyltransferase; 6-O-methylguanine-DNA methyltransferase; AGT; Agat; AI267024; MGC107020
Gene ID	17314
mRNA Refseq	NM_008598
Protein Refseq	NP_032624
UniProt ID	P26187

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