

## Recombinant Mouse Mgmt Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length O-6-methylguanine-DNA methyltransferase (Mgmt), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	22.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	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](#) Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA