

Product datasheet for **TP502297**

Mgmt (NM_008598) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse O-6-methylguanine-DNA methyltransferase (Mgmt), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202297 protein sequence Red =Cloning site Green =Tags(s)
	 MAETCKMKYSVLDSPLGKMEISDCERGLHGIRLLSGKTPNTDPTEAPATPEVLGGPEGVPEPLVQCTAWL EAYFREPAATEGLPLPALHHPVFQQDSFTRQVLWKLKVVKFGETVSYQLAALAGNPKAARAVGGAMRS NPVPILIPCHRVRSDGAIGHYSGGGQAVKEWLLAHEGIPTGQPASKGLGLTGTWLKSSFESTSSEPSGR N TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	22.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032624
Locus ID:	17314
UniProt ID:	P26187 , Q4VA39
RefSeq Size:	857



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Cytogenetics: 7 82.07 cM

RefSeq ORF: 636

Synonyms: Agat; AGT; AI267024

Summary: 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.[UniProtKB/Swiss-Prot Function]