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MGMT Protein (Myc-DYKDDDDK Tag)



Image



Go to Product page

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Quantity:	20 μg	
Target:	MGMT	
Origin:	Human	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This MGMT protein is labelled with Myc-DYKDDDDK Tag.	
Application:	Antibody Production (AbP), Standard (STD)	
Product Details		
Characteristics:	 Recombinant human O-6-methylguanine-DNA methyltransferase (MGMT) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone 	
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining	
Target Details		
Target:	MGMT	
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Alternative Name:	O-6-Methylguanine-Dna Methyltransferase (Mgmt) (MGMT Products)	
Background:	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. [UniProtKB/Swiss-Prot Function]	

Target Details

Molecular Weight:	24.9 kDa
NCBI Accession:	NP_002403
Pathways: DNA Damage Repair, Positive Regulation of Response to DNA Damage Stimulus	

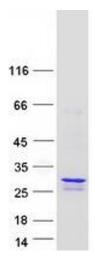
Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot