Recombinant Human O-6-methylguanine-DNA Methyltransferase, T7-tagged

Cat. No. MGMT-814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MGMT protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 21646Da (207aa).
Species	Human
Source	E.coli
Description	Methylated-DNA-protein-cysteine methyltransferase is an enzyme that in humans is encoded by the MGMT gene.
Sequences of amino acids	MDKDCEMKRT TLDSPLGKLE LSGCEQGLHE IKLLGKGTSA ADAVEVPAPA AVLGGPEPLM QCTAWLNAYF HQPEAIEEEP VPALHHPVFQ QESFTRQVLW KLLKVVKFGE VISYQQLAAL AGNPKAARAV GGAMRGNPVP ILIPCHRVVC SSGAVGNYSG GLAVKEWLLA HEGHRLGKPG LGGSSGLAGA WLKGAGATSG SPPAGRN
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3
Purity	> 95% by SDS - PAGE
Applications	MS. SDS

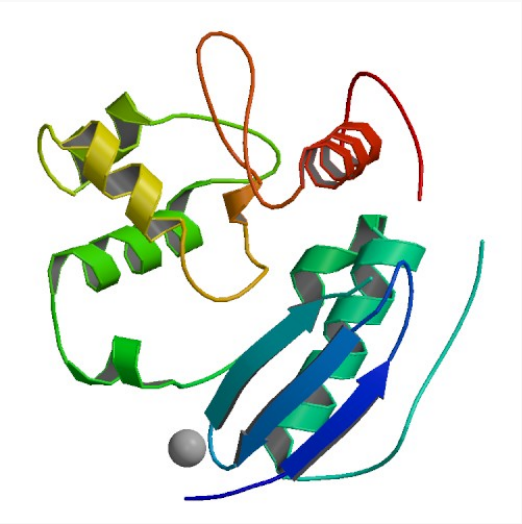
GENE INFORMATION

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Gene Name	MGMT O-6-methylguanine-DNA methyltransferase [Homo sapiens]
Synonyms	MGMT; O-6-methylguanine-DNA methyltransferase; methylated-DNA-protein-cysteine methyltransferase; 6-O-methylguanine-DNA methyltransferase; methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; EC2.1.1.63; O6-methylguanine-DNA methyltransferase
Gene ID	4255
mRNA Refseq	NM_002412
Protein Refseq	NP_002403
MIM	156569
UniProt ID	P16455
Chromosome Location	10q26
Pathway	Reactome Event: DNA Repair
Function	DNA binding; DNA-methyltransferase activity; metal ion binding; methylated-DNA-[protein]-cystein S-methyltransferase activity; methyltransferase activity; transferase activity

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PDBrendering based on 1eh6. Available structures:1eh6,1eh7,1e



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