

Product Name: Recombinant Human MGMT (N-6His)
Catalog #: PEH1155

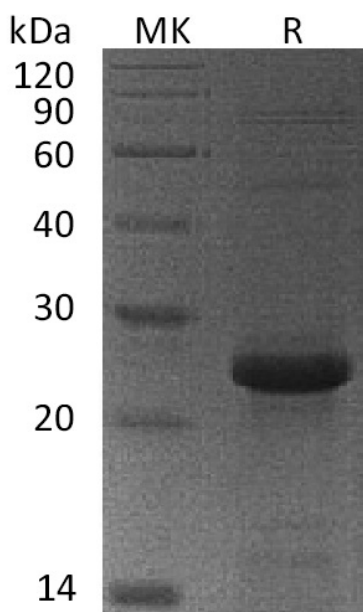


Summary

Name	Methylated-DNA--protein-cysteine methyltransferase /MGMT
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Methylated-DNA-protein-cysteine Methyltransferase is produced by our E.coli expression system and the target gene encoding Met1-Asn207 is expressed with a 6His tag at the N-terminus.
Accession #	P16455
Host	E.coli
Species	Human
Predicted Molecular Mass	23.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl,1mM DTT,1mM EDTA,500mM NaCl,0.1%Triton X-100,pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human MGMT (N-6His)
Catalog #: PEH1155



Alternative Names

Methylated-DNA--protein-cysteine methyltransferase; 6-O-methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; MGMT

Background

MGMT belongs to the family of transferases, specifically those transferring one-carbon group methyltransferases. MGMT involved in the cellular defense against the biological effects of O6-methylguanine 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. MGMT catalyzes the chemical reaction: DNA (containing 6-O-methylguanine) and protein L-cysteine into DNA (without 6-O-methylguanine) and protein S-methyl-L-cysteine.

Note

For Research Use Only , Not for Diagnostic Use.