

Recombinant Human MGMT Protein (His Tag)

Catalog Number:PKSH032031



Note: Centrifuge before opening to ensure complete recovery of vial contents.

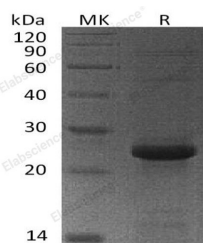
Description

Synonyms	Methylated-DNA--protein-cysteine methyltransferase;6-O-methylguanine-DNAmethyltransferase;O-6-methylguanine-DNA-alkyltransferase;MGMT
Species	Human
Expression Host	E.coli
Sequence	Met 1-Asn207
Accession	P16455
Calculated Molecular Weight	23.8 kDa
Observed molecular weight	25 kDa
Tag	N-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
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.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

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 proteinL-cysteine into DNA (without 6-O-methylguanine) and protein S-methyl-L-cysteine.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017