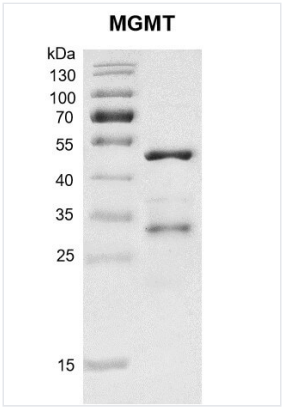
MGMT Recombinant Protein

PRODUCT OVERVIEW

Product Name	MGMT, Recombinant Protein
Full Product Name	Recombinant MGMT protein
Product Gene Name	MGMT recombinant protein
Product Synonym Names	O-6-Methylguanine-DNA Methyltransferase
Host	E coli
Form/Format	Recombinant MGMT protein is supplied in 25 mM Tris-HCl pH 8.0, 300 mM NaCl, 10% glycerol and 0.5 mM TCEP.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Molecular Weight	48.48kDa
Protein Species	Human
Protein Details	Recombinant MGMT protein that includes full length of human MGMT protein (accession number NP_002403.3) was expressed was expressed in E coli cells with an N-terminal GST tag. The molecular weight of the protein is 48.48kDa.
Product Categories/Family for MGMT recombinant protein	DNA Damage; Recombinant Proteins
Application Notes for MGMT recombinant protein	Lab has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet.
Related Product Information for MGMT recombinant protein	MGMT(Methylated-DNA--protein-cysteine methyltransferase) 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.
Other Notes	Small volumes of MGMT recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MGMT purchase	MBS389650 is a recombinant protein targeting MGMT. Also known as Recombinant MGMT protein. Host: E coli.



SDS-Page of MGMT recombinant protein
Recombinant MGMT protein 12.5% SDS-PAGE Coomassie staining MW: 48.48kDa Purity: >=85%

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MGMT. It may not necessarily be applicable to this product.

Protein Family	Probable methylated-DNA--protein-cysteine methyltransferase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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