

Product datasheet

Recombinant Human MGMT protein (His tag) ab185395

Description

Product name	Recombinant Human MGMT protein (His tag)	
Purity	> 95 % SDS-PAGE. Purity is determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	<u>P16455</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHHSSGLVPRGSHMDKDCMKRTTLDSP LGK LELSGCEQGLHE IKLLGKGTSAADAVEVPAPAAVLGGPEPLMQCTAWLNAY FHQPEAIEEFP VPALHHPVFQQESFTRQVLWKLLKVVKFGEVISYQQLAAL AGNPKAARAV GGAMRGNPVPILIPCHRVVCSSGAVGNYSGLAVKEWLL AHEGHR LGKPG LGSSSLAGAWLKGAGATSGSP PAGRN	
Predicted molecular weight	24 kDa including tags	
Amino acids	1 to 207	
Tags	His tag N-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab185395** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	HPLC
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris-HCl buffer, 0.03% EDTA

General Info

Function

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.

Sequence similarities

Belongs to the MGMT family.

Cellular localization

Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors