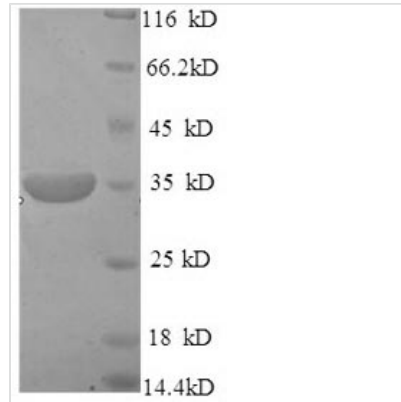




Recombinant Human DNA-3-methyladenine glycosylase (MPG), partial

Product Code	CSB-YP014749HU
Relevance	Hydrolysis of the deoxyribose N-glycosidic bond to excise 3-methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions.
Abbreviation	Recombinant Human MPG protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P29372
Alias	3-alkyladenine DNA glycosylase3-methyladenine DNA glycosidaseADPGN-methylpurine-DNA glycosylase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	QFCRRMGQKKQRPARAGQPHSSSDAAQAPAEQPHSSSDAAQAPCPRERCL GPPTTPGPYRSIYFSSPKGHLTRLGLEFFDQPAVPLARAF LGQVLVRRLPNGT ELRGRIVETEAYLGPEDAAHSRGGRTPRNRGMFMKPGTLYVYIIYGMFYFC MNISSQGDGACVLLRALEPLEGLETMRQLRSTLRKGTASRVLKDRELCSGPSK LCQALAINKSFDQRDLAQDEAVWLERGPLEPSEPAVVAARVGVGHAGEWAR KPLRFYVRGSPWVSVVDRVAEQDTQA
Research Area	Epigenetics and Nuclear Signaling
Source	Yeast
Target Names	MPG
Protein Names	Recommended name: DNA-3-methyladenine glycosylase EC= 3.2.2.21 Alternative name(s): 3-alkyladenine DNA glycosylase 3-methyladenine DNA glycosidase ADPG N-methylpurine-DNA glycosylase
Expression Region	13-298aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	33.5kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.