

Product information

MPG, 1-298aa

Human, His-tagged, Recombinant, *E.coli*

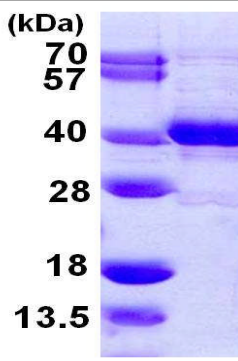
Cat. No. IBATGP1134

Full name: DNA-3-methyladenine glycosylase

NCBI Accession No.: NP_002425

Synonyms: AAG, ADPG, anpg, APNG, CRA36.1, MDG, Mid1, PIG11, PIG16

Description: MPG (DNA-3-methyladenine glycosylase) belongs to the DNA glycosylase MPG family. This protein initiates base excision repair in DNA by removing a wide variety of alkylated, deaminated, and lipid peroxidation-induced purine adducts. Recombinant human MPG protein, fused to His-tag at C-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 200mM NaCl, 1mM EDTA</p> <p>Molecular Weight: 33.9kDa (306aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.25mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p>MVTPALQMKK PKQFCRRMGQ KKQRPARAGQ PHSSSDAAQA PAEQPHSSSD AAQAPCPRER CLGPPTTPGP YRSIYFSSPK GHLTRLGLEF FDQPAVPLAR AFLGQVLVRR LPNGTELGR IVETEAYLGP EDEAAHSRGG RQTPRNRGMF MKPGTLYVYI IYGMYFCMNI SSQGDGACVL LRALEPLEGL ETMRQLRSTL RKG TASRVLK DRELCSGSPK LCQALAINKS FDQRDLAQDE AVWLERGPLE PSEPAVVAAA RVGVGHAGEW ARKPLRFYVR GSPWVSVDVDR VAEQDTQALE_HHHHHH</p>	

General references:

Adhikari S., *et al.* (2009) *DNA Repair (Amst)*. 8(10):1201-6.

Allan, J.M., *et al.* (1998) *Cancer Res*. 58: 3965-3973.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.