

N-Methylpurine-DNA Glycosylase Human Recombinant

Item Number	rAP-1133
Synonyms	DNA-3-methyladenine glycosylase, 3-alkyladenine DNA glycosylase, 3-methyladenine DNA glycosidase, ADPG, N-methylpurine-DNA glycosylase, MPG, AAG, ANPG, MID1, MDG, PIG11, PIG16, CRA36.1.
Description	MPG Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 306 amino acids (1-298 a.a.) and having a molecular mass of 33.9kDa (Molecular weight on SDS-PAGE will appear higher). MPG is fused to an 8 amino acid His-tag at N-terminus & purified by proprietary
Uniprot Accesion Number	P29372
Amino Acid Sequence	MVTPALQMKK PKQFCRRMGQ KKQRPARAGQ PHSSSDAAQA PAEQPHSSSD AAQAPCPRER CLGPPTTPGP YRSIYFSSPK GHLTRLGLEF FDQPAVPLAR AFLGQVLVRR LPNGTELRGR IVETEAYLGP EDEAAHSRGG RQTPRNRGMF MKPGTLYVYI IYGMYFCMNI SSQGDGACVL LRALEPLEGL ETMRQLRSTL RKGTASRVLK DRELCGSPSK LCQALAINKS FDQRDLAQDE AVWLER-GPLE PSEPAVVAAGA RVGVGHAGEW ARKPLRFYVR GSPWVSVVDR VAEQDTQALE HHHHHH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	MPG protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol, 200mM NaCl and 1mM EDTA. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**