

N-Methylpurine-DNA Glycosylase Recombinant Protein | MPG recombinant protein

Recombinant Human N-Methylpurine-DNA Glycosylase

CATALOG # AAA38963	HOST E Coli
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PRODUCT SYNONYMS

N-Methylpurine-DNA Glycosylase; Recombinant Human N-Methylpurine-DNA Glycosylase; MPG Human; N-Methylpurine-DNA Glycosylase Human Recombinant; 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; MPG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	MPG protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol, 200mM NaCl and 1mM EDTA. Sterile filtered colorless solution.
Sequence	MVTPALQMKK PKQFCRRMGQ KKQRPARGQ PHSSSDAAQA PAEQPHSSSD AAQAPCPRER CLGPPTTPGP YRSIYFSSPK GHLTRLGLEF FDQPAVPLAR AFLGQVLVRR LPNGTELGR IVETEAYLGP EDEAAHSRGG RQTPRNRGMF MKPGTLYVYI IYGMYFCMNI SSQGDGACVL LRALEPLEGL ETMRQLRSTL RKG TASRVLK DRELCSGPSK LCQALAINKS FDQRDLAQDE AVWLERGP LE PSEPAVVAAA RVGVGHAGEW ARKPLRFYVR GSPWVSVD R VAEQDTQALEHHHHHH< /u>
Sequence Length	293
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for MPG recombinant protein	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 chromatographic techniques. Introduction: DNA-3-methyladenine glycosylase (MPG) is a member of the DNA glycosylase MPG family. MPG initiates base excision repair in DNA by removing a wide variety of alkylated, deaminated, and lipid peroxidation-induced purine adducts.
Product Categories/Family for MPG recombinant protein	Enzymes; Glycosylase

NCBI AND UNIPROT INFORMATION

NCBI GI #	62632765
NCBI GeneID	4350
NCBI Accession #	NP_001015052.1
NCBI GenBank Nucleotide #	NM_001015052.2

UniProt Accession #	P29372 ; Q13770 ; Q15275 ; Q15961 ; Q5J9I4 ; Q96BZ6 ; Q96S33 ; Q9NNX5 ; G5E9E2
NCBI Official Full Name	DNA-3-methyladenine glycosylase isoform b
NCBI Official Synonym Full Names	N-methylpurine-DNA glycosylase
NCBI Official Symbol	MPG
NCBI Official Synonym Symbols	AAG; MDG; ADPG; APNG; Mid1; anpg; PIG11; PIG16; CRA36.1
NCBI Protein Information	DNA-3-methyladenine glycosylase; 3' end of the Mid1 gene, localized 68 kb upstream the humanzeta globin gene on 16p; 3-alkyladenine DNA glycosylase; 3-methyladenine DNA glycosidase; CRA36.1 (3-methyl-adenine DNA glycosylase); N-methylpurine-DNA glycosylase, MPG; proliferation-inducing protein 11; proliferation-inducing protein 16
UniProt Protein Name	DNA-3-methyladenine glycosylase
UniProt Gene Name	MPG
UniProt Synonym Gene Names	AAG; ANPG; MID1
UniProt Entry Name	3MG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mpg-recombinant-protein-e-coli/38963>