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32-2561: MPG Recombinant Protein

Alternative Name :	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

Source : Escherichia Coli. 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. 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 Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	MPG protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol, 200mM NaCl and 1mM EDTA.
Storage condition :	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.
Amino Acid :	MVTPALQMKK PKQFCRRMGQ KKQRPARAGQ PHSSSDAAQA PAEQPHSSSD AAQAPCPRER CLGPPTTPGP YRSIYFSSPK GHLTRLGLEF FDQPAVPLAR AFLGQVLVRR LPNGTELRGR IVETEAYLGP EDEAAHSRGG RQTPRNRGMF MKPGTLYVYI IYGMYFCMNI SSQGDGACVL LRALEPLEGL ETMRQLRSTL RKGTASRVLK DRELCSGPSK LCQALAINKS FDQRDLAQDE AVWLERGPLE PSEPAVVAAA RVGVGHAGEW ARKPLRFYVR GSPWVSVVDR VAEQDTQALE HHHHHH.

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