

MPG, 1-298aa, Human, His tag, E.coli

Cat.NO.: TP03010

3th Edition

Synonyms:DNA-3-methyladenine glycosylase, 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 peroxidationinduced 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 200mM NaCl, 1mM EDTA

Molecular Weight:33.9kDa (306aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MVTPALQMKKPKQFCRRMGQKKQRPARGQPHSSSDAAQAPAEQPHSSSDAAQAPCPRERCLGPPTTPGPYRS
IYFSSPKGHLTRLGLEFFDQPAVPLARAF LGQVLVRRLPNGTELGRIVETEAYLGPEDAAHSRGGRTPRNRGM
FMKPGTLYVYIIYGM YFCMNISSQGDGACVLLRALEPLEGLETMRQLRSTLRKGTASRVLKDRELCSGPSKLCQALA
INKSFDQRDLAQDEAVWLERGPLEPSEPAVVAAARVGVGHAGEWARKPLRFYVRGSPWVSVVDRVAEQDTQALE
HHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.