

Recombinant Human MPG protein, His-tagged

Cat. No. MPG-3640H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MPG protein(1-293 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-293 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MPARSGAQFCRRMGQKKQRPARGQPHSSSDAAQAPAEQPHSSSDAAQAPCPR ERCLGPPTTPGPYRSIYFSSPKGHLTRLGLEFFDQPAVPLARAFLGQVLVRRLPNGT ELRGRIVETEAYLGPEDAAHSRGGRTPRNRGMFMKPGTLYVYIIYGMYFCMNISS QGDGACVLLRALEPLEGLETMRQLRSTLRKGTASRVLKDRELCSGPSKLCQALAINK SFDQRDLAQDEAVWLERGPLEPSEPAVVAAARVGVGHAGEWARKPLRFYVRGSP WVSVDRAEQDTQA
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

MPG N-methylpurine-DNA glycosylase [Homo sapiens]

Official Symbol

MPG

Synonyms

MPG; N-methylpurine-DNA glycosylase; DNA-3-methyladenine glycosylase; alkyladenine DNA glycosylase; MDG; 3-alkyladenine DNA glycosylase; 3-methyladenine DNA glycosidase; proliferation-inducing protein 11; proliferation-inducing protein 16; N-methylpurine-DNA glycosylase, MPG; CRA36.1 (3-methyladenine DNA glycosylase); 3' end of the Mid1 gene, localized 68 kb upstream the human zeta globin gene on 16p; AAG; ADPG; APNG; Mid1; anpg; PIG11; PIG16; CRA36.1;

Gene ID

4350

mRNA Refseq

NM_001015052

Protein Refseq

NP_001015052

MIM

156565

UniProt ID

P29372

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