

Recombinant Human MPG

Catalog No: #GP11254



Package Size: #GP11254-1 100ug

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Description

Product Name	Recombinant Human MPG
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	N-methylpurine-DNA glycosylase
Other Names	AAG; MDG; ADPG; APNG; Mid1; anpg; PIG11; PIG16; CRA36.1
Accession No.	Swissprot:P29372Gene Accession:BC014991
Uniprot	P29372
GeneID	4350;
Storage	-20~-80°C, pH 7.6 PBS

Background

Maintenance of DNA sequences is necessary for vertebrates and other life. DNA is under constant stress by a plethora of DNA-damaging agents present in both the environment and within cells. The potentially deleterious effects of DNA lesions in cells are elegantly resolved by sophisticated DNA repair systems, including base excision repair (BER), nucleotide excision repair (NER) and DNA repair methyltransferase (MTase). Methylated bases, such as 3-methyladenine (3MeA) and 7-methylguanine (7MeG) can be formed by agents in the environment and by endogenous cellular processes. Consequently, in the absence of exposure to environmental agents, DNA methylation damage can be incurred on the genomic DNA of normal mammalian cells. DNA N-glycosylases are base excision-repair proteins that locate and cleave damaged bases from DNA as the first step in restoring the sequence.?

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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