

Recombinant Rat Mpg protein, His & T7-tagged

Cat. No. Mpg-1541R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mpg aa. (Gln32~Met300 (Accession # P23571)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Gln32~Met300
Description	Enzyme that cleaves 3-methyladenine and 7-methylguanine residues from DNA.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.4

GENE INFORMATION

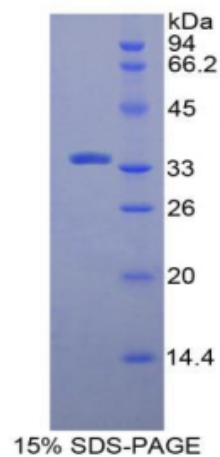
Gene Name	Mpg N-methylpurine-DNA glycosylase [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Mpg
Synonyms	Mpg; N-methylpurine-DNA glycosylase; DNA-3-methyladenine glycosylase; 3-alkyladenine DNA glycosylase; 3-methyladenine DNA glycosidase; ADPG; N-methylpurine-DNA glycosylase
Gene ID	24561
mRNA Refseq	NM_012601.2
Protein Refseq	NP_036733.2
UniProt ID	P23571

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SDS-PAGE



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