

## Recombinant Rat Mpg protein, His & T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Mpg aa. (Gln32~Met300 (Accession # P23571)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln32~Met300
<b>Description</b>	Enzyme that cleaves 3-methyladenine and 7-methylguanine residues from DNA.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 33.5kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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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<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	9.4

## GENE INFORMATION

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

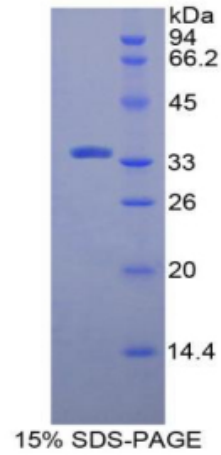
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SDS-PAGE



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