

## Recombinant Human MPG Protein, GST/His-tagged

**Cat. No.** MPG-105H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MPG fused with N-terminal GST and C-terminal His was expressed in E. coli.                                                              |
| <b>Species</b>          | Human                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                    |
| <b>Description</b>      | Hydrolysis of the deoxyribose N-glycosidic bond to excise 3-methyladenine, and 7-methylguanine from the damaged DNA polymer formed by alkylation lesions. |
| <b>Form</b>             | 25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.                                                                                                  |
| <b>Molecular Mass</b>   | 58.2 kDa                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                               |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                          |

### GENE INFORMATION

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b>       | MPG N-methylpurine-DNA glycosylase [ Homo sapiens ]                   |
| <b>Official Symbol</b> | MPG                                                                   |
| <b>Synonyms</b>        | MPG; N-methylpurine-DNA glycosylase; DNA-3-methyladenine glycosylase; |

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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_001015054 |
| Protein Refseq | NP_001015054 |
| MIM            | 156565       |
| UniProt ID     | P29372       |